

AJMERE TA.

No 3123, dated Ajmere, 6th October 1871

From - I R SAUNDERS, Esq., Commissioner, Ajmere

To - J D I TOWN, Esq., Settlement Officer, Ajmere

SIR,

With reference to Para 18, *et seq* No 154, dated 21st April 1871 it appears necessary to carry out properly the system of Water-rate Assessment which commences for this Khairif that an Officer should be deputed at once to inspect all the Tinks, and report upon them, before the present crop is cut and removed, if this be not done the new system introduced is likely to fail, and more particularly is there a necessity for inspection this year, when the rains have been so partial and in places deficient.

2 In anticipation of the sanction of Government to the system, I therefore have the honor to direct, that you will immediately depute Rannath. Superintendent of Deawar to this duty, making the most economical arrangement you can, for his work being carried on, as it still remains doubtful whether sanction will be accorded to this new appointment, and if not Rannath will have to draw his pay during his deputation from the Settlement grant

3 I think it will be better as the *Putionces* are still with you, and the scheme is of your own suggestion, that the work for this year should be done under your own supervision, but you should consult the Deputy Commissioner freely, explaining to him what you do, and keeping him generally informed of the progress you are making, and in concert with him draw out Rules for the future, elaborating the whole details of the scheme, and devising such Tables, or Statements, as may be required for Reports, on which any alteration in the Assessments will in future be based, by the Deputy Commissioner

4 As the successful working of the whole scheme depends upon its careful manipulation in the first instance, I feel certain that I may rely upon you, sparing no exertion, to see that the Officer deputed, understands his work and does it in the way least likely to be distasteful to the Village Communities, while the interests of Government shall not be overlooked.

I have the honor to be,

SIR,

Your most obedient Servant,

LESLIE S SAUNDERS

Commissioner

Ajmere Tanks 1874

No 3123, dated Ajmere, 8th October 1874

From—The Commissioner, Ajmere and Mhairwarra
To—Deputy Commissioner, Ajmere and Mhairwarra

SIR,

I HAVE the honor to forward for your information copy of a letter No 3122 dated 8th October 1874 addressed by me, to the Settlement Officer, and request you to put yourself in communication with the Settlement Officer, so that you may thoroughly understand what will be required in future years, and in case any difficulty arises, I request that an immediate and special Report may be submitted.

I have the honor to be,

Sir,

Your most obedient Servant,

LESLIE S. SAUNDERS,

Commissioner.

No 3138, dated Ajmere, 8th October 1874

From—The Commissioner, Ajmere and Mhairwarra
To—The Chief Commissioner, Ajmere and Mhairwarra

SIR,

In continuation of this office No. 2521, dated 10th August 1874 I have the honor to state that as the crops are being cut, it has become necessary for this inspection to be undertaken immediately, in anticipation of the orders of Government, and I therefore submit for your concurrence and approval copy of the orders I have this day issued to the Settlement Officer and Deputy Commissioner on the subject.

I have the honor to be,

Sir,

Your most obedient Servant,

LESLIE S. SAUNDERS,

Commissioner

No 1 W dated 19th October 1874

From—Chief Commissioner, Ajmere and Mhairwarra
To—The Commissioner, Ajmere and Mhairwarra

SIR

I HAVE the honor to acknowledge receipt of your No 2521* of 10th August, and to state that in anticipation of sanction from Government you are authorized to act upon Clauses 1 and 3 of your para 32

* Regarding Assessment of Ajmere Tanks

I have the honor to be,

Sir,

Your most obedient Servant,

LEWIS PELLY

Chief Commissioner,

Ajmere Tanks 1874

No, 690, dated Camp Malakhara, 3rd November 1874

From—Col. FRANK LEWIS PELLY, Chief Commissioner, Ajmere and Bhairwarra,
To—C. U. AITCHISON, Esq, C S I, Secy to the Govt. of India, Foreign Dept

I HAVE the honor to forward, for the consideration and orders of His Excellency the Viceroy and Governor-General in Council, copy of correspondence, as per margin, regarding the Assessment of the Ajmere tanks

From Commissioner, Ajmere, No 2521, dated 10th August 1874, with printed enclosure
From Chief Commissioner, Ajmere, dated 19th October 1875, No 1 W

2 As the season is far advanced and delay may occasion considerable, practical inconvenience, I have in anticipation of the sanction of Government authorized the Commissioner to carry into effect the suggestions contained in Clauses 1 and 3 of his 32nd paragraph.

I would recommend the remaining Clauses, 2 and 4, to the favourable consideration of Government

3 I enclose a memorandum on the subject now submitted, drawn up for me by the Superintending Engineer, and I concur generally in what he submits

4 I increasingly incline to think, that in the Ajmere Districts small irrigation works are likely to prove more generally and uninterruptedly useful than the larger projects.

Orders on Tank Assessment Ajmere 1875

No 126 dated the 11th February 1875

FORWARDED to the Commissioner of Ajmere for information and guidance, and for communication to Mr. La Touche.

AJMERE,
CHIEF COMMISSIONERSHIP, }
CAMP LASOORA
11th February 1875 }

J W RIDGEWAY,

For Chief Commissioner.

No 461, dated Ajmere, 15th, February 1875

From—The Commissioner, Ajmere and Mhairwarra

To—The Deputy Commissioner, Ajmere

SIR,

I have the honor to forward 10 copies of printed correspondence anent assessment and management of the Ajmere Tanks

2 Ramnath late Superintendent of Beawur, will be held as appointed from 2nd February, and he will at once commence his inspection of the Rabi irrigation, he should be instructed to report how new Irrigation can be increased, and to make a note of likely spots for new Tanks, and to report generally on the state of repairs of all Tanks as he visits them

3 His Head Quarters will be at Ajmere, and when not employed on inspection, he should be employed in keeping the existing Tanks in good order, and no extraneous work of any kind is to be made over to him without the previous sanction of this office

4 A report on Irrigation should be submitted after the Rabi collections every year, and this report should be brought on the list of usual Reports due on 1st June

I have the honor to be,

SIR,

Your most obedient Servant,

LESLIE S SAUNDERS,

Commissioner.

GOVERNMENT INDIA ORDERS ON ACCOUNTS TANKS
AJMERE 1875.

No 2150

GOVERNMENT OF INDIA
FINANCIAL DEPARTMENT.
ACCOUNTS

SIMLA, THE 26TH JULY 1875

READ again—

Financial Resolution No 7579 dated 31st December 1874, prescribing the form of statement for showing the outlay on large irrigation works and the return obtained there from

Proceedings in the Foreign Department, No 18 R, dated 2nd February 1875, sanctioning a scheme for the assessment of water-rates on lands irrigated from tanks in Ajmere

RESOLUTION—The Governor General in Council is pleased to pass the following orders on the mode of crediting in the accounts the enhancement of revenue due to tanks in Ajmere

2 The Revenue from all the old works, (those not constructed by special assignments within the last few years) being assessed as an integral sum, should be treated as Land Revenue as in Northern India, and consequently the portion attributed as due to Tank Irrigation, should be treated in the same way as increase of Land Revenue due to Canals, that is to say, the whole amount should be credited in the Treasury accounts as Land Revenue, credit being taken in the Public Works Department in the administration reports, as *indirect* Irrigation Revenue for the portion attributed to the tanks

3 It is necessary, however, that some authoritative statement should be furnished to the Public Works Department, of the amount for which the Irrigation Department may take credit administratively as *indirect* Revenue. The Deputy Commissioner of Ajmere should accordingly submit to the Irrigation Department yearly a memorandum of the revenue demand on the lake and tank areas, distinguishing according to the ratios agreed on for each lake or tank, what portion is pure Land Revenue and what portion is Lake Revenue

4 The form of this memorandum and the date on which it is to be submitted, should be settled by the Deputy Commissioner of Ajmere in communication with the Irrigation Department, and the necessary orders for its submission will then be issued in the Foreign Department.

 Government India Orders on Accounts Tanks Ajmere 1875

5 For new works a water-rate will be levied, and this should be credited in the Treasury accounts as irrigation revenue *direct*, over and above any increase of the Land Revenue which may be taken into account as *indirect* Revenue.

6 The course described in paragraphs 2 to 1 should be followed in respect of the increase of Land Revenue on the tracts below the tanks or lakes, the portion assumed, one fourth, being treated as *indirect* Land Revenue attributable to irrigation works.

ORDER — Ordered that the foregoing Resolution be communicated to the Foreign and Public Works Departments for information and further orders, to the Chief Commissioner of Ajmere, and the Comptroller General for information and guidance, and to the Department of Revenue, Agriculture and Commerce, with an enquiry as to whether any, and if so, what action has been taken with reference to paragraph 7 of the Resolution in this Department, No 7579, dated 31st December 1874.

R H HOLLINGBERRY,

Asst. Secy to the Govt of India

GOVERNMENT INDIA ORDERS PUBLIC WORKS DEPARTMENT
AJMERE TANKS 1875.

No 304 A—I

GOVERNMENT OF INDIA

PUBLIC WORKS DEPARTMENT.

ACCOUNT.

Irrigation

To

THE AGENT TO THE GOVERNOR GENERAL FOR RAJPOOTANA

SIMLA, SEPTEMBER 23, 1875.

Sir,

I am directed to forward herewith copy of a Resolution of the Government of India in the Financial Department, No 2150, dated 26th July 1875, from which it will be seen that it has been decided that the revenue due to the *old* tanks in Ajmere and Mhairwarah should still continue to be shown in the public accounts as a portion of the Land Revenue with which it is, assessed, and that the only accounts of the Public Works Department in which credit is to be taken for that Revenue are the administrative statements, but that, in them, such credit is to be *certainly* taken. In order to carry out this arrangement, and to admit of that Revenue being authoritatively recorded, it is necessary that the Commissioner of Ajmere should obtain from the *proper* Revenue Officer, and furnish an explicit Statement of the Revenue due to the tanks, and I am to ask that the form of such a Statement, and the date on which it is to be submitted, may be sent up to the Government of India, in view to the necessary orders for its submission being issued in a regular manner.

2 For the *new* works however that have recently been constructed, the orders issued require that a water-rate should be levied, the amount being credited in the Treasury and Financial Accounts as *Irrigation* Revenue. In order to admit of this being properly done, the credit should be raised in the *Civil* accounts to the remittance account of *Public Works Department*, the latter Department bringing the amount to credit as *Irrigation* Revenue in its accounts. The Commissioner of Ajmere, as well as the Comptroller General, should be instructed to see that the *Public Works Department* receives due credit for the amount involved.

3. The district water rates that are thus to be brought to account as Irrigation Revenue will be for two classes of works, viz.—

I—The class of large works for each of which a distinct capital and revenue account is to be kept, viz.—

The Bheer Reservoir.

„ Jalea	„
„ Bulad	„
„ Rajosie	„

II—The small works themselves new, but the outlay on which is to be included as a portion of the outlay on the old tanks

4 It remains to be settled what action should be taken for the assessment and realization of water-rates from these new works, the nature of the control to be exercised over the distribution of water, and the manner in which the accounts of area irrigated, and so forth, are to be kept For this purpose a Superintendent of Irrigation has been appointed for the older tanks, but as regards the new works it has yet to be decided by what Agency the Revenue should be collected, and the distribution of the water managed On this point the attention of the Government of India has been drawn to Paras 12 and 13 of Mr Crommelin's Note dated 15th October 1874, in which the point has been raised, but as it has not been definitely settled, I am to ask that the matter may receive your consideration, and that the necessary proposals on the subject may be submitted for the orders of the Government of India at the earliest possible date The proposals should be accompanied with detailed Rules and forms to give effect to the purpose in view The Governments of the North Western Provinces and Punjab will be asked to furnish you with a copy of the Rules in force in those Provinces for the management of Irrigation Revenue

5 In order to prevent misconception, I am to add that, in the estimates of Irrigation Revenue that have to be submitted as a portion of the budget and regular estimates, only the *direct* Revenue due to irrigation works should be included, the portion of the revenue included in the civil accounts as Land Revenue being shown only as a memorandum at the foot of the estimate A report of the modifications necessary in the estimate of the current official year should be submitted at an early date

I have the honor to be,

Sir,

Your most obedient Servant,

C H. DICKENS, Col., R A,
Secy to the Govt. of India.

Tanks Ajmere Accounts 1876

TANKS AJMERE ACCOUNTS 1876.

No 39 S, dated Camp Numbherra, 1th January 1876

From—The Secy to the Agent, Govt -Genl, and Chief Commr, in the P W D, Rypootun
 To—The Commissioner of Ajmere and Mhairwarra

SIR,

Having now received the Government of India Financial Department Resolution No 2150 of 26th July last under cover of the Government of India P. W Department letter No 304 A J of the 23rd September 1875 conveying instructions as to the manner of accounting for the Irrigation Revenue due to the old and new Tanks, I am desirous by the the Officiating Agent Governor General and Chief Commissioner, to transmit to you copies of both these papers for your information and guidance and to issue the following instructions and remarks thereon

2 With regard to Para 7 of the Government of India P W Department letter alluded to above, I am to request the favour of the early submission of a form which would furnish an explicit Statement of Revenue due to the old Tanks in Ajmere and Mhairwarra which is to be shown in the Public accounts as a portion of the Land Revenue with which it is assessed, and also for your opinion as to the date on which such Statement should be submitted to the Government of India

3 With respect to the new Tanks and the points connected therewith

- 1 Collection of Proceeding of the Government North Western Provinces (Irrigation Branch) Public Works Department relating to Finance and management, edited by Colonel W H Greathed R F
- 2 Procedure to be adopted in accounting for Revenue derived from Irrigation in North Western Provinces with amendments and 7 forms marked No III, IV, V, Va VI, VII and VIII
- 3 Government Panjab Public Works Department Irrigation Branch Rules relating to realization of canal water rates making remissions and fees to Umbardars and Putwarces with 17 Forms marked Nos I, I a II, III IV V, VI VII, VIII IX, X, XI, XII, XIII, XIV, XV & XVI

adverted to in Para 4 of the Government letter, I am to state that it is understood that there is no objection for the present to the management of the Collection of Revenue, and of the distribution of Water remaining in the hands of the P W Department, and I am accordingly to submit for your consideration the draft of Rules for

the Government Tanks in Ajmere and Mhairwarra drawn out in the P W D of this Administration, together with original printed Rules and forms as per margin furnished to this office by the Governments of the N W P and the Punjab, on the basis of which the above draft Rules have been framed

4 I am to request the favor of an early expression of your views on the advisability of introducing these Rules in Ajmere and Mhairwarra together with any suggestions or objections to the different matters contained

Tanks Ajmere Accounts 1876

therein which you may wish to offer for the consideration of the Officiating Chief Commissioner. •

I have the honor to be,

SIR,

Your most obedient Servant,

A G CROMMELIN,

*Secretary to Agent Governor General and Chief
Commissioner in the Public Works Department,
Rajpootana*

No 21, dated 10th January 1876

Copy of 1st two Paras to Deputy Commissioner, with enclosure for his opinion and for submission of a Draft Form of Statement as required in Para 2 of Secretary to Chief Commissioner's No 399, dated 14th January 1876.

LESLIE S SAUNDERS,

Commissioner, Ajmere

No 5 R, dated Fort William the 15th January 1876

From—The Secretary to the Government of India,
To—the Officiating Chief Commissioner of Ajmere

SIR,

With reference to your letter No 2134 S dated 10th August 1875, to Foreign Department Revenue the Secretary to the Government of India in the Public Works Department, I am to refer you to the letter in the P W D to the Agent to the Governor General for Rajpootana No 304 A I dated 23rd September 1875, and to state that, as the Revenue due to the Old Tanks in Ajmere and Mhairwarra is to be shown in the Public Accounts as Land Revenue, the charges sanctioned in Paragraph 3 of my letter No 18 R dated 2nd February 1875 for the supervision of the Irrigation from those tanks must be treated as a Civil charge, and not debited to the Budget grant of the P W. Department.

I have the honor to be,

SIR,

Your most obedient Servant,

C U AITCHISON,

Secretary to the Government of India.

Tanks Ajmere Accounts 1876

No 322 S, dated Camp Ajmere, 15th February 1876

RAJPOOTANA AGENCY, PUBLIC WORKS DEPARTMENT

THE foregoing forwarded to the Commissioner of Ajmere and Mharwarra with reference to Paragraph 3 of the Government of India Foreign Department No 18 dated 2nd February 1875, copy of which was sent to Mr. Saunders with Chief Commissioner's No 126 dated 11th idem.

(By order)

A G CROMMELIN,

Secretary to Agent Governor General

and Chief Commissioner in the Public Works Department,

Rajpootana.

No 87 Dated 24th February 1876

Copy to Deputy Commissioner in continuation of this Office No 461. dated 15th February 1875 for guidance

LESLIE S SAUNDERS,

Commissioner, Ajmerc.

Tanks Ajmere Accounts 1876

No 86, Dated Ajmere the 12th January 1876

FROM—MAJOR H M REPTON, Deputy Commissioner, in Ajmere

TO—MR S SANDERS, ESQUIRE Commissioner of Ajmere and Mhairwarra,

Sir,

In compliance with your No 21 of the 10th January 1876 I have the honor to forward a sample of the Form in which I would propose to submit, the Statement of Revenue due to the old Tanks in this District, and to suggest that it should be submitted to Government, on the 1st July each year, that is after the *Kharif* and *Rabi* harvests have done with Irrigation, and the Collections for the *Rabi* have been made

2nd The *Rabi* instalment of the Revenue is due on the 15th June, the Assessments of the Tanks for *Rabi* Irrigation however can be made, and finished by the end of April, and the amount notified in time to have the same paid up with the *Rabi* instalment

3rd It would be useless to render the accounts before the *Rabi* Collections are made, as the Tank Revenue for the year depends on the rainfall, and it would not do to club the returns of two separate results into one account

4th The return should I consider shew the Revenue due to the Tanks for the harvest, in which they are filled, to the harvest in which they are emptied, and this is the old agricultural year of the District

5th The enclosures of your letter under reply are now returned

I have the honor to be,

SIR,

Your most obedient Servant,

H M REPTON, Major,

Deputy Commissioner, Ajmere

Tanks Ajmere Accounts 1876.

No 136, dated Ajmere, 22nd March 1876

From—The Commissioner, Ajmere and Mhairwarra

To—The Secy to the Agent, Govt-Genl, and Chief Commr in the P W D, Rajpootana

With reference to your No 39 S, dated 4th January asking me to submit a form, which would furnish an explicit Statement of Revenue due to the Old Tanks in Ajmere and Mhairwarra, which amount is only to be taken credit for by the Public Works Department, in their Administrative Statements, and to name a date on which such form should be submitted, I have the honor to enclose a form which will I believe answer the purpose for which it is required, and I would recommend that the form should be submitted by the Deputy Commissioner to this Office on 1st July of each year, and after being checked it should be forwarded from this Office not later than the 15th of July

2 A separate reply will be sent to Paras 3 & 4 of your letter under reply in connection with your letter No 562 S, dated 9th March 1876

3 The reason for fixing the 1st July is that the *Rabi* instalment is not due till the 15th June, and it is important to get the two harvests which are dependent on one rain-fall into one account, so the *Kharif* and *Rabi* should be shown in this account, this being so, the earliest date that could be fixed is the 1st July,

I have the honor to be,

Sir,

Your most obedient Servant,

L S. SAUNDERS,

Commissioner,

Tanks Ajmere Accounts 1876

FORM.
Memorandum of the Water Revenue of the Ajmere District for the (Kharif) Autumn Harvest 1875 and (Rabi) Spring Harvest 1876

H E A D	A S S E S S M E N T			P R E S E N T		D I F F E R E N C E			R E M A R K S.	
	Irrigable Alien	A S S E S S M E N T		Irrigated area	Water revenue realized	A M O U N T		Decrease		
		Fixed	Variable			Increase	Decrease			
		Rs.	A P	Rs.	A P	Rs.	A P	Rs.	A P	NOTE. This includes all water Revenue whether from old Government Tanks or Private Tanks as well as the portion of the Revenue from 1 and irrigated wells 1 of which is credited to Water Revenue
Total Old Tanks										
Private Tanks										
Wells 25 per cent of Assessment										
Total										

DATED AJMERE, }
 1st July 1876.

Deputy Commissioner Ajmere

Tanks Ajmere Accounts 1876

Memorandum of Establishment Charges.

Appointment		AMOUNT				REMARKS.
		Salary		Travelling Allowances		
1	Superintendent,					A B—This will give the charge for 12 months from either 1st April to 31st March or 1st July to 30th June as may be ordered
1	Clerk, ...					
2	Messengers, .					
TOTAL, ...						

AJMERE.

Dated 1st July 1876

Deputy Commissioner, Ajmere.

ORDERS GOVERNMENT OF INDIA PUBLIC
WORKS DEPARTMENT 1874, ON COM-
MITTEE'S REPORT OF
JULY 1872.

Nos. 148—51—A—I.

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.

ACCOUNT

Irrigation

FORT WILLIAM, MAY 29, 1874.

*Preparation of Capital and Revenue Accounts for Tanks in Ajmere and
Mhairwarra*

Read the following papers—

Public Works Department letter No, 149 A—I, dated 9th May 1872.

Letter from Governor General's Agent Rajpootana, No 3657 I, dated 31st December 1872

" " " " 1792 S, " 28th May 1873

The system of Capital and Revenue Accounts having been generally adopted for the Irrigation Works in India, the question was raised whether that arrangement should be applied in the case of the older Tanks in Ajmere and Mhairwarra, on which much money has been, and is now being spent for restoration and repairs. The Government of India, in reply to a reference made by the Governor General's Agent, Rajpootana, on the subject, said that the proposal seemed desirable, and requested that the subject might be investigated and the results reported to the Government of India.

2 A Committee * was appointed to make this enquiry, and Colonel Brooke, the Governor General's Agent, furnished copy of the Report, in which he entirely agrees.

* Captain H. M. Repton, Major J. M. Williams, Captain C. Shuttleworth, J. D. La Touche, Esq., C. S.

3 The questions discussed in the Report may be considered under two heads—

I—Whether Capital Accounts should be opened for the older Tanks now under repairs.

II—The mode in which the Capital and Revenue Accounts should be kept for the great number of Tanks in Ajmere

4 Under the first head the recommendation of the Committee is, that no Capital Account should be opened for these old works, but that only a Revenue Account should be kept.

5 The result would be that, in the Government Returns, the cost of the works would *not* be shown, only the Revenue charges and receipts would be entered, and the proportion of profit or loss could not be ascertained.

6 The reason assigned by the Committee for not having a Capital Account for these old works is, first, that the real cost could not be ascertained, as the labor was either unpaid or otherwise abnormal, and next, that the works have paid themselves over and over again. They say that, all that is known regarding the cost is, that from 1835-36 up to 1846-47, the outlay on the works was Rs 6,17,563, and that this does not represent, for any useful or practical purpose, their real cost, while as regards the Revenue, its increase during the same period, and due to these works, was Rs 9,59,005, giving a clear profit of over 150 per cent. And from this they proceed to argue that taking "the proportion of increased Revenue, as shown by Colonel Dixon, for Mhairwarra and Ajmere at the rate of Rs 300 per cent for the 11 years, we get for the 22 years, from 1847-48 to 1868-69, 600 per cent of profit on outlay, less the expenditure incurred on repairs during that period of Rs 3,66,614, from this must be deducted remissions of Revenue during the same period to the extent of Rs 3,36,545. This leaves the net profit at Rs 40,93,998, omitting annas and pies." This calculation is not quite understood.

7 It is necessary, however, to analyze these two points more fully. And first, as to the question of Capital outlay. This must be looked at from two aspects—

1st —Does the outlay that is known, really include all the expenditure that was incurred in the construction of the works?

2nd —Is it in any way illusory, and if so, how should it be modified, and what conclusions can be drawn from it?

8 With regard to the former, Colonel Dixon gives us full information. In *Mhairwarra*—he says at pages 131 and 132 of his sketch—"We have a total of 290 (Tank) embankments submerging 26,549 beegahs of land, and affording the ability for maintaining 40,680 beegahs of cultivation to be sown with Indian corn, cotton, barley, wheat or opium. Of these

embankments, the Dilwarra and Kalinjur were constructed many years ago, but they were not turned into account for agricultural purposes until after the subjugation of the tract in 1820-21. A third *talao*, Surgong, is a natural reservoir, which has been converted into profitable use within the last few years. There were further seven embankments made or repaired by Colonel Hall C. B. The remainder is the growth of the last 12 years." And it may be further seen from his description of the works, that in all but two or three cases, they were entirely new works, and not restorations of old works. As respects Ajmere, he says at page 200—"We have thus 112 embankments spreading over the kalsa Lands. The Beesla was built some centuries ago by Beesul Deo Chouhan, Raja of Ajmere, the Ana Sagur was constructed by his son Anajee, and the Ramsur Lake was raised by Rama Deo of Dhar in *Sumbut* 1850. The remainder is the growth of the last few years."

9. It seems from these quotations that, out of a total of 402 embankments, all excepting two in Mhanwarra and three in Ajmere were constructed from the Capital outlay now under consideration. The Report of the Committee gives 461 as the number of Tanks up to date, and the Capital expenditure recorded against them Rs 6,17,563-6-11. It is quite certain that, of those 461, all but a very few are entirely new works. Those few can be excluded and treated exceptionally, but the Capital above quoted can be legitimately charged to all the rest.

10. As to the second aspect, whether that Capital outlay was in any way illusory, the cost no doubt was extremely small. Stone-work set in lime appears to have been constructed at from Rs 2½ to Rs 5 per 100 cubic feet. The materials were evidently obtained gratis, and the labour rates were very low. Analysis of the rates show that the work would *now* cost five or six times as much as in those days. There is no reason why, with the knowledge that is extant, the facts of the actual Capital expenditure should be suppressed, instead of being recorded, with an explanation of the modification or correction of it which should be made to show what the works would now have cost.

11. With reference to Revenue, Colonel Dixon's account shows that he came to Mhanwarra with a population of 39,648 persons and an Annual Revenue of Rs 81,680, that he spent Rs 5,06,726 on Tanks and in 12 years the population had increased to 100,282, and the Revenue to Rs 1,81,751. In a statement which he gives of the Provinces of Ajmere-Meywar and Marwar-Meywar he shows that during the eleven years ending with 1846-47, the total revenue was greater by Rs 6,41,234 than it would have been if it had remained stationary at the amount obtained in 1835-36, while the expenditure upon irrigation had been only Rs 2,41,112. Colonel Dixon claims the whole increase of the revenue as due to his reservoirs, and it is not un-

reasonable for him to do so when writing a popular account. But the statement which has been referred to shows of itself, indisputably, that the whole increase of revenue cannot be properly ascribed to the expenditure on irrigation. And a stricter investigation of the matter is necessary. Even if the estimate of the Committee were taken, much too liberal as it seems to be, the works would be held to have paid 600 per cent in 22 years, or 27·3 per cent per annum, and if this be referred to a Capital outlay, of five times the actual outlay, which would represent the cost of those works if they were to be constructed now, those profits would come down to the rate of $5\frac{1}{2}$ per cent. per annum.

12 The state of the case then is, that the construction cost of all but a very few of the works is known, but requires qualification before conclusion can be arrived at from the facts. Those few works must be treated exceptionally. For the rest, owing to reasons above described, the expenditure recorded in our accounts though giving the true cost of the works at the time, must not be used as representing the cost at which such works could now be constructed. The sum at present prices would, it may be assumed, have been five times as much. And hence when the Committee show roughly a profit of 27·3 per cent, the profit would now be only $5\frac{1}{2}$ per cent.

13 The question of what this profit or revenue really is, has now to be discussed. The chief point involved is the share of the proceeds collected under Land Revenue, that should be credited to these tanks. In the first place, these collections are at the rate of Rs 5 per acre. But if as Mr. Saunders says, one sixth of the gross produce, is the fair amount of the pure land revenue, and that one sixth is, according to his valuation, in the present case, Rs 3·8 per acre, then the difference Rs 1·8 is pure water-rate, wholly exclusive of land revenue, whether enhanced or not.

14 This is one aspect of the case, but another and a more convenient one is the actual enhancement of the whole rate of collection. The Committee and all the old Reports show that the revenue to Government from irrigated land may be taken at Rs 5 per acre, from land submerged by water and afterwards cultivated at Rs 2 per acre, and from land only cultivated by natural moisture, Re, 1 per acre.

15 Now, when a new tank is constructed the following results follow —

- 1 — Land which was more or less cultivated before is taken up and submerged by water, some of it permanently, perhaps half of it is culturable as the water recedes. Here then there is a loss of Re 1 an acre perhaps on the whole, and a gain of Rs 2 an acre on the half in which case there is neither loss nor gain.

Ajmere Tanks 1874

- 2 — A certain area which before was only culturable from natural moisture becomes irrigated, and the Government revenue rises from Re 1 to Rs 5 per acre. Here is a clear gain of Rs 4 per acre, less the expenses of maintaining the tank.
- 3 Certain lands which were never cultivated before are brought under cultivation. This is a clear gain of Rs 5 per acre.
- 4 — Certain wells near the tank will become useless for cultivation, and others may be dug lower down than the direct irrigation from the tank will reach. But from the absence of mention of this case in the reports it is presumed that the extent of well-irrigated (Chahi) lands is small.

16 The decision of the Committee is to claim the results only under the second head for the tanks, treating the third head as parts of the second, or foregoing the claim of the total land revenue where new land is brought under cultivation. This view would seem to be fair, and to allow a sufficient margin for the action of the other causes which co-operate with the construction of the tanks in bringing about the increase of land revenue.

17 In short, the facts to be determined in regard to each group of works are —

A.—The actual revenue drawn from the lands irrigated

B.—The estimated revenue that would have been drawn from the same land without the tanks

C.—The difference or profit due to the works

All depends upon the value of the figures entered in B. Just in so far as assent is obtained to these figures, will credit be given to the claim C. To justify the estimate of B, it will always be necessary to explain fully the grounds upon which it is based, and all that can be done in the matter, at this stage, is to adopt some reasonable principle for the settlement of the question. There does seem sufficient evidence to show that, as a rule, Re 1 per acre has been for many years the average revenue for land depending upon the rain only, and that Rs 5 is the ordinary rate that land irrigated from reservoirs will pay. So that as regards revenue, the works may fairly be credited at the rate of Rs 4 per acre.

18 On the whole, therefore, the Government of India consider that the necessities of the case will be sufficiently provided for by the following arrangements —

- 1st — That the aggregate capital expenditure of all but a few excepted works be set down at Rs. 6,17,563-6-11, being the amount

20. By dividing off the tanks into three groups or circles, it will probably be found somewhat inconvenient to keep a separate Capital and Revenue Account for the new works now under construction in Ajmere and Mhairwarrah. These works would fall into one or other of the three groups, and to keep a separate account for these new works as distinguished from the old

Ajmere Tanks 1874

would probably give trouble without any adequate results But on this point the Government of India would be glad to receive an expression of opinion from the Chief Commissioner.

21. By the rules in force the Capital outlay of the several works have to be classified in great detail under certain specified heads To do so in the case of the old expenditure would probably be impracticable, while in the case of new outlay the comparative smallness of the outlay would justify less detail being given than is required by the rules It would therefore seem desirable to limit the classification under two or more heads such as masonry, and earth work, classifying other subsidiary works according as they may seem to belong to each, while in the case of the new outlay some similar detail might suffice But on this point also the Government of India would be glad to receive an expression of opinion

22 In Para XVII of the Committee's Report, reference is made to the probability of the distinct 1 per cent cess for repairs of tanks being modified It should be stated in what direction modification is to be made

23 In accordance with these orders the following measures should be taken to carry out the arrangements approved of —

- I —The tanks are to be grouped by Pergunnahs or Sub-Collectorates
- II —The Capital outlay of Rs 6,17,563-5-11 should be divided off to each Pergunnah or Sub Collectorate The expenditure on each tank will of course appear in the detailed accounts as a sub-head
- III —The Revenue of each Pergunnah should start from 1869-70, the previous Revenue outlay being ignored
- IV.—In like manner the Revenue receipts due to the works should start from 1869-70, the previous receipts being ignored
- V —No calculation for charges for interest need be made, nor any percentage struck of the proportion borne by Revenue receipts to Capital outlay.
- VI —The receipts at the rate of Rs 4 per acre less remissions should continue to be shown as land Revenue in the Civil Accounts without being brought into the Regular Public Works Accounts, the entry of the receipts being shown only in the Administrative Accounts of the Department
- VII.—In like manner the expenses of collection should continue to be shown in the Civil Accounts as Civil charges, the amount of such charges being shown only in the Administrative Accounts of the Public Works Department.

VIII —An accurate record should be kept of the area actually irrigated by each of the irrigation works in each Pergunnah, so as to admit of the receipts from irrigation being determined

IX —The amount of Irrigation Revenue to be credited to the works should be obtained from annual statements certified by the Deputy Commissioner and the Commissioner of the Province

ORDER —Ordered, that this Resolution be communicated to the Governor General's Agent, Rajpootana, for information and guidance, and to the Financial Department and Agricultural Department for information

Ordered also, that a copy be forwarded to the Accountant General, Public Works Department

C H DICKENS, *Colonel, R A.,*
Secy to the Govt of India

TANKS AJMERE 1874.

No 2522, dated Ajmere, 11th August 1874

From—LESLIE S SALVENDERS Esq, Commissioner, Ajmere and Mhairwarra.

To—the Secy to the Agent, Govt Genl and Chief Commr, in the P W D, Rypootana

SIR,

With reference to your endorsement No 1939 S, dated 3rd July, calling for a report on Paras 20 and 21 of the Government of India Resolution on the preparation of a Capital and Revenue Account for Tanks in Ajmere, and for any other remarks I may wish to offer—I have the honor to state that as I have in my letter No 2521, dated 10th August 1874, to the Chief Commissioner, which will doubtless be communicated to you, entered into this subject at length, therefore, in this Report I will confine myself to the points on which information is called for

2 I think an arrangement by which the proposal contained in Para 20 should be sanctioned would be a good one (*vide* Paras 26, 27 and 23 of my letter above quoted,) it is impossible to make every Tank in the Province pay, and yet it is most essentially necessary that no water should be allowed to flow out of the District, that can be made use of in it for cultivation. If the accounts of Tanks are kept as a whole, the question propounded in Para 21 settles itself, as there would be no necessity for keeping up such detailed accounts, when we only look to the general profit of the whole Irrigation of the Province, and not to each Tank, though if considered necessary a separate account might be kept for *pucca* masonry, or *lutcha* earthen Tanks, but I do not think there would be much advantage in such an arrangement

3 With reference to Para 22, the 1 per cent cess for repairs, ceases with the new Settlement, the cess was only instituted by Colonel Dixon, to avoid the necessity of having to ask for sanction for money whenever repairs had to be undertaken. It was really a deduction from the Water Revenue, and the use for it passed away, when it was credited to the Public Works Department and separate sanction had to be obtained for money to repair Tanks

4 In conclusion I would remark, that the Resolution appears in every way liberal, and likely to be very advantageous to the Province, the groups being framed conterminous with the Civil Tehseels, is a most convenient one for all parties. The order No IV in Para 23 is not so liberal as the others, and I hope separate orders may be passed on Para 25 of my letter above quoted. Order No VI in Para 23 will require amendment, if the Settlement Officer's system of Water rate is sanctioned by the Foreign De.

Ajmere Tanks 1874

partment, Order No VIII can be carried out annually in the large Tanks only, and will be unnecessary in the smaller tanks Order No. IX can be easily carried out after the new Settlement is once in working order

I have the honor to be,

Sir,

Your most obedient Servant,

LESLIE S SAUNDERS,

Commissioner.

RAJPOOTANA AGENCY PUBLIC WORKS DEPARTMENT

No 3131 S, dated Camp Erinpooora, 6th November 1874.

From—The Secy to the Agent, Govr-Genl and Chief Commr, in the P W D, Rajpootana

To—The Secretary to the Government of India, Public Works Department

Sir,

THE Commissioner, Superintendent of Works, and Contoller, having been consulted, I am now directed to communicate the opinion of the Agent Governor General and Chief Commissioner on the points alluded to in Paras 19, 20, 21 and 22 of Government Resolution No 148-51, A I of 29th May 1874

2 With reference to Para 19, the Agent Governor General and Chief Commissioner considers that the 3 Sub-Collectorate accounts therein specified will be sufficient for all purposes

3 Referring to Para 20 the Chief Commissioner is of opinion, that it would be inconvenient to keep a separate Capital and Revenue Account, for new works now under construction in Ajmere and Mhairwarra, and that no adequate results would be obtained by the extra work that would be entailed by so doing Each new Tank might conveniently fall into the Accounts of the group in which it is situated

4 With reference to the classification of outlay on work in great detail under certain specified heads, the Chief Commissioner considers that the 2 sub-heads, *masonry* and *earthwork* will be quite sufficient for all purposes In the case of the old Tanks, even so much information will not be forthcoming it is feared, and there would seem to be no great necessity for keeping expenditure on new works under more than the 2 sub-heads specified. The tanks now under construction it is at present believed, will be the only ones of any size that will be undertaken in Ajmere or Mhairwarra, as experience is now showing that the rain-fall is so capri-

cious in its character, and confined to such small areas, that large tanks with extended catchment areas, will never fulfil the expectations that have hitherto been entertained concerning them. Numerous small Tanks with restricted catchment areas will be more economical and more certain in results.

There would therefore seem to be no reason for making exceptional Sub heads for the few large Tanks now in hand.

5. The 1 per cent cess mentioned in Para 22 was instituted by Colonel Dixon for the purpose of repairing the Tanks without the necessity of constantly applying to Government for funds, it was really a deduction from the Water Revenue.

As a new assessment of Water Rates has just been concluded in the present Settlement operation, this cess now ceases entirely.

The subject of the new Assessment with the opinion of a Committee appointed to report thereon, will be submitted for the orders of Government in the Civil Department of this Administration, it may somewhat modify the orders contained in Para. 23 clause VI.

6. On the above points I am directed to attach copies of the marginally noted correspondence, and to bring attention to Paras 2 to 6 of Superintendent of Works No 1997 dated 21st July 1871 which fully explain the figures which in Para 6 of the Resolution under notice, it was stated were not understood.

Comptroller of Ajmere and Mhairwarra No 222 dated 11th August 1871

Superintendent of Works Ajmere and Mhairwarra No 1997 dated 21st July 1871

Controller of Public Works Accounts Reporters No 1479 dated 9th July 1871

7. The information required by Controller in his Para 4 will be afforded as far as possible, on the receipt of a reply to this communication and of the decision of Government in the case of proposed Water-rate Assessment to be submitted from the Civil Department.

I have the honor to be,

Sir,

Your most obedient Servant,

A. G. CROMMELIN,

*Secretary to the Agent Governor General and
Chief Commissioner in the Public Works Department,*

Rajpootana

GOVERNMENT OF INDIA ORDERS ON ACCOUNTS OF TANKS AJMERE 1875.

No 137 A I

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

ACCOUNT

Irrigation.

To—THE AGENT TO THE GOVERNOR GENERAL RAJPOOTANA

Dated Simla 22nd April 1875.

SIR,

I am directed to acknowledge receipt of your letter No 3134 S dated 6th November 1874, submitting final proposals for the preparation of Capital and Revenue Accounts of Irrigation works in Ajmere and Mhanwarra, and in reply to communicate the following orders of the Governor General in Council, on the subject

2 For the older Tanks in Ajmere and Mhanwarra, construct d provision is to the formation of a separate Irrigation Department in the Province the Capital account will be arranged into three groups, viz for the Beawur, Ajmere, and Todghur Sub Collectorate Circles respectively The total Capital outlay on the Tanks in these three Circles, will be represented by a sum of Rs 6,17,563 5-11 This amount should be divided off to the several groups, and the outlay on each Tank will be shewn as a sub-head of the group to which it appertains

3 The Revenue Accounts of these Tanks, will in like manner be shewn by groups The entries in the Budget Estimate and actual accounts should be arranged accordingly The charges for Revenue of the Tanks in each Circle will commence from 1869-70, the previous Revenue charges as well as receipts being ignored.

4 If it is considered desirable to do so, the charges for Revenue of the Tanks in each group may be arranged, so as to shew distinctly the Revenue outlay on each class of Tanks to correspond with the classification of the Tanks made by the Settlement Officer in his recent revision of the Land and Water Revenue in Ajmere and Mhanwarra, by that classification the Irrigation Revenue of each class of Tanks is placed on record, and if you consider it necessary, the outlay on maintenance may be shown accordingly

5 The distinct assessment of Water Rate made in the recent Settlement on account of these Tanks, will admit of the exact Revenue due to the

Government of India Orders on Accounts of Tanks Ajmere 1875

works being credited to them in the Revenue Accounts. The question as to whether this Revenue should be brought into the Finance Accounts of the Department, or only into its Administrative Accounts, is now under consideration, and will be disposed of separately

6 For the new large works constructed since the formation of the Irrigation Department, or works commenced since 1868-69, such as Bheer, Jalea Bulad and Rajosee Reservoirs, the Governor General in Council considers that it will be desirable to keep distinct Capital and Revenue Accounts, and I am therefore to request that this may be done. It is true that it was previously suggested that the Capital and Revenue Accounts of these works, should be considered as forming portion of the Capital and Revenue Account of the Circles in which the works may be situated, and that you have recommended that this should be done, but as the outlay on these new works is about equal to what was spent on the older series of works, as the Water Rates from them will, under the recent arrangements, be assessed distinctly, and as some portion of the expenditure has been incurred from loan funds, it is necessary that the financial results of the new works should be kept quite distinct. This may best be done by having a distinct Capital and Revenue account for each

7 With the modifications above ordered, the proposals contained in your letter under acknowledgment are approved, and should be given effect to with the least possible delay. The Accountant General Public Works Department will issue such subsidiary instructions as may be necessary to the Controller of Public Works Accounts

I have the honor to be,

Sir,

Your most obedient Servant,

C H DICKENS, *Colonel, R A*

Secy to the Govt of India

Accounts of Tanks Ajmere 1875

ACCOUNTS OF TANKS AJMERE 1875.

RAJPOOTANA AGENCY PUBLIC WORKS DEPARTMENT.

No 1220 S. DATED MOUNT ABU, 5TH MAY 1875

Copy of the foregoing, together with copy of this office No 3134 S dated 6th November 1874, therein referred to, forwarded to the Commissioner of Ajmere and Mhairwarra for information and guidance with reference to his No 2522 dated 11th August 1874 with intimation that this Administration does not think it expedient to keep the Accounts in the detail mentioned in Para 4 of Government letter —

“ By Order ”

A. G CROMMELIN,
*Secretary to the Agent Governor General and
Chief Commissioner in the P W D,*

No 125 A I

GOVERNMENT OF INDIA. PUBLIC WORKS DEPARTMENT, ACCOUNT

Irrigation

To—THE AGENT TO THE GOVERNOR GENERAL, RAJPOOTANA

Fort William, 26th March 1875

SIR,

In continuation of Para 6 of the orders on the Rajpootana Irrigation Budget Estimate for 1875-76, and with reference to your letter No 890^{*} dated 3rd November 1874 submitting proposals for the assessment of water rates from the Tanks in Ajmere, I am directed to request that a report may be furnished shewing how far the total Revenue (Land Revenue and Irrigation Revenue combined) as settled by the recent Settlements is in excess of the Total revenue previous to the Settlement, and whether any portion of the sum of Rs 55,432, stated to be the total water rates from existing tanks, is a real addition to the total Revenue previous to the recent assessments, or whether it is only a transfer from Land Revenue to Irrigation Revenue

* To the Secretary to the Government of India in the Foreign Department

I have the honor to be,

Sir,

Your most obedient Servant,

C H DICKENS, Colonel R. A
Secretary to the Government of India,

 Accounts of Tanks Ajmere 1875

No 1395 S

RAJPOOTANA AGENCY

From—The Secy to the Agent, Govr.-Genl and Chief Commr in the P W, D, Rajpootana

To —The Commissioner of Ajmere and Mhairwarra

Dated Mount Aboo, 25th May 1875

SIR

I have the honor, by direction of the Officiating Agent Governor General and Chief Commissioner, to forward herewith a copy of the Government of India Public Works Department letter No 125 A I dated 28th March last and to request the favor of your kindly furnishing this Office with a report on the two points therein mooted, also, as bearing on the same subject, on the question raised in Para 6 of the Rajpootana Irrigation Budget orders 1875-76, copies of which were transmitted to you with this office No. 1022, S. of 12th April last

2 I am to observe that the object of these questions of the Government of India appears to be, to enable the Public Works Department to distinguish precisely the Assessments that may be credited to the Irrigation works, from those which properly belong to Land Revenue

3 Your replies to these questions will require some careful sifting and statement of figures, and the Officiating Chief Commissioner therefore trusts that you will endeavour to put the results of your enquiry as clearly as possible Mr LaTouche will probably be able to assist you materially in these matters

I have the honor to be,

SIR,

Your most obedient Servant,

A G CROMMELIN,

*Secretary to the Agent Governor-General and Chief**Commissioner in the Public Works Department,**Rajpootana.*

GOVERNMENT OF INDIA ORDERS TANKS AJMERE 1875.

No 68 I.

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.
CIVIL WORKS

Irrigation.

Fort Will am, 26th February 1875

To—The Secretary to the Government of India in the Foreign Department

In reply to Foreign Department No 21 R dated 2nd instant relative to the assessment of Water Rates on Lands irrigated from Tanks in Ajmere, the undersigned is directed to communicate the following remarks

2 The two points on which the remarks of this Department are called for appear to be, 1st, whether any portion of the Well Revenue should be credited to the Tanks, when the wells are dependent on the Tanks for their supply of Water 2nd, how far expenditure should be incurred on new Irrigation Works in Ajmere and Mharwarra

3 As regards the first the undersigned is to remark that if, as is gathered from the correspondence submitted, the Wells in question would be dry but for the Tanks, then the Well Revenue would have no existence without the latter, and consequently there appears to be no reason why the Tanks should not receive formal credit for a portion of the Revenue

4 As regards the 2nd point, the undersigned is to state that nothing can be done until details from the Local Public Works Department are received There will be no difficulty about the provision of funds, if fairly remunerative schemes can be devised, and submitted for sanction, with full particulars The question of what Establishment is necessary for the Surveys and preparation of designs, will be considered in the Public Works Department on a reference from the Local Administration giving detailed proposals with reference to former correspondence

5 The original papers received with the Foreign Department communication under acknowledgment, are returned

C. H. DICKENS, COLONEL, R A ,
Secretary to the Government of India.

Government of India Orders Tanks Ajmere 1875

No 72 R.

Copy of the foregoing forwarded to the Officiating Chief Commissioner of Ajmere for information and guidance in continuation of this Office letter No 18 R, dated 2nd ultimo.

FOREIGN DEPARTMENT REVENUE,

FORT WILLIAM,

The 1th March 1875

(By Order)

A C TALBOT,

} *for Offy Secy to the Govt. of India*

RAJPOOTANA AGENCY, PUBLIC WORKS DEPARTMENT.

No 1394 S, *Dated Mount Aboo, 25th May 1875*

The foregoing copies forwarded to the Commissioner of Ajmere and Mhairwarra for favor of his opinion on the subject of Para 3 of the Public Works Department, No 6S, I

(By order)

A G CROMMELIN,

Secy to the Agent, Govt -Gent and Chief Commr

in the P W Department, Rajpootana.

AJMERE TANKS AND THEIR ASSESSMENT 1874.



No 2521, dated Ajmere, 10th August 1871

From—The Commissioner, Ajmere

To—The Chief Commissioner, Ajmere

SIR,

I HAVE the honor to forward 36 copies of a printed correspondence, as

Proceeding of Commissioner dated 16th May 1874
 Extra from Secretary to Government, Foreign Department
 Letter No. 377 R dated 28th October 1871
 Report of Committee dated 22nd May 1871
 Memo by Mr. Culcheth Executive Engineer, Irrigation Division
 Former Committee's Report, dated 5th July 1872
 Settlement Officer's No. 151 dated 24th April 1871
 Commissioner's No. 1331 dated 21st May 1874
 Public Works Officer's No. 57 dated 16th May 1871
 Superintendent of Works No. 1269 dated 19th May 1871
 Ditto No. 1261 dated 5th May 1871

per margin, with the Report of a Committee on the Assessment of the Ajmere Tanks, for the orders of Government

2 The question is an important one, and pertains to two separate Departments of Government, and will possibly require orders to be passed by both Departments, and yet it is not convenient to divide it. The first point to be reported upon, is the Principle on which, the orders of the Government of India in Foreign Department, (contained in letter No 377 R, para 4, dated 28th October 1871,) have been carried out, by the Settlement Officer, and this question, must of course be decided by the Department issuing the orders, while the way in which this Income is to be brought to account, and the system on which the accounts are to be kept, will require orders from the Public Works Department

3 The Settlement Officer, in his letter No 151, dated 24th April reports at length on the system he has introduced, to carry out the orders of the Government of India above quoted, this scheme has had the most earnest attention of all concerned, and as reported in para 7 of Settlement Officer's letter, it has only been accepted by me, after most earnest deliberations, corrections, and discussions, and since then, it has been considered by the Committee whose Report accompanies, and is now declared, by all the Local Officers, both Civil and Public Works (Irrigational), to be the best that can be devised

4 The orders of Government on this subject resolve themselves into three parts —

First —That an uniform Water Rate should be assessed on all lands irrigated from tanks

Second —That this Water Rate should be liable to decrease, or remission, according as the supply fell below the maximum

Third —That the Water Rate should be included in the Revenue, payable by Talabee lands, and that remissions should be given by a general abatement, on all fields within the Water supply

5 The great difficulty in carrying out this order, was found to consist, in the varying capacity of the Tanks, the variety of the water supply, and the uses it was put to, in the numerous tanks existing in the District, which quite precluded, the possibility of assessing on an uniform Rate, and necessitated a classification of Tanks, as described by Settlement Officer in para. 3 as follows —

Class I — Tanks which when full, irrigate both harvests

- „ II — Tanks irrigating Khurreef, (autumn crops,) when necessary ; and Rubbee (spring crops) once, or perhaps twice, but not fully
- „ III — Tanks irrigating Khurreef, and giving a sowing watering for the Rubbee only
- „ IV — Tanks which water for Rubbee sowing, when irrigation has been unnecessary for the Khurreef crops
- „ V — Tanks not even having a sufficiency for Khurreef

6 For each of these classes a separate Water Rate has been fixed, ranging from Rs 4-6 in the 1st Class, to 10 annas in the 5th Class, as it is evident, that Tanks which give an insufficient watering to a rain crop, cannot be, assessed at the same Rate, as tanks which fully irrigate both Harvests

7. Having, with these Rates assessed the Water Revenue, which each village was to pay, amounting in the whole District to Rs 55,432, the question arose, as to the system under which it should be collected, and it is on this point, that while the spirit of the Government orders has been adhered to, the letter has been departed from, in the larger and more important Tanks forming the first class

8 In the smaller Tanks, forming the 2nd, 3rd, 4th, and 5th classes, it seemed undesirable to test every year the area irrigated, nor did it seem necessary to do so, since even a moderate shower will fill them, and the smaller ones are of use, as much for the Rubbee crop grown in the bed, as for the Khurreef crop grown below the dam. In these Tanks therefore, though the Rates vary, the system of Assessment is that laid down by Government, the Water Rate is shown separately for each village, and each holding, though included in the Khewut, (or paper showing the distribution of the demand) When therefore any tank fails to supply the assistance which it is expected to give, according to its class, (for instance if a Fourth Class tank gives no water for the Rubbee sowings,) it will be easy for the Deputy Commissioner, to fix the proportionate remission to be given, though even then it will often be desirable for the villagers to be allowed, to determine how such relief shall be apportioned

9 The Tanks belonging to class I, and several Tanks in Ajmere falling under classes II, and III, have been assessed on a different principle and the Water Revenue of these tanks amounts to Rs 37,097, out of Rs 55,432,

they are by far the more important division. In the villages watered by these Tanks numbering 60, in Ajmere, 43, in Beawar, and 3, in Todgurb, the Water Revenue has been assessed in a lump sum, and has been excluded from the Kherut altogether. The sum has been fixed, with reference to the irrigational capabilities of the tank, as it at present exists. It will have, however, to be distributed annually, on the actual irrigated area, as it is intended to collect this standard sum every year, unless the water entirely fails at any time.

10 Besides this standard sum, we have also been obliged to fix a maximum, and minimum Rate, per acre, within which the Assessment shall fall, or rise, according to the extension, or reduction of irrigation, this is necessitated by the chance of the irrigated area being at any time, so small, (without a failure in the water supply) as to raise the Rate so high, as to be unremunerative to the Cultivator, in which case only the maximum Rate, which the Settlement Officer has now fixed, will be collected, and the Standard sum will be departed from. The same will happen, when irrigation increases so much, as to cause the minimum Rate to be collected, (which minimum has also been fixed by the Settlement Officer, at a rate which we know can be paid, even in the worst years) on occasions when by extension of the irrigated area, the Rate would fall below the minimum, the whole irrigated area will be assessed at this Rate, and the collections may then be in excess of the Standard sum.

11 Hence, it will be seen that the Standard sum will be collected in all ordinary years, when there is any total failure of Water Supply, the Deputy Commissioner will, as in the smaller tanks, give a general reduction, but in these larger tanks, except in years that are quite exceptional, no such relief will be requisite. In other years, the margins fixed of maximum, and minimum Rates, will amply suffice for fluctuations of season. The main objection to this system, is the necessity which arises to examine, and ascertain annually the fields, which are irrigated.

12 Various plans have been mooted, by which a failure, or partial failure of the water supply, could be ascertained, without the necessity of having recourse to such annual inspection. It was proposed to contour the tanks and fix gauges, the whole or a portion of the Water Revenue being levied, according to the height of the water on the gauge, at the close of the rains, but the Engineers considered this almost impracticable, and the task of contouring would clearly be one of Herculean labor. It was proposed to fix Zones of rainfall, and to assess the tanks in proportion, as the rainfall within that zone, was up to, or below the average. This however was impracticable, for the rainfall depending as it does, now on one monsoon, and now on the other, is so precarious, and partial, that no zones could be formed, that would be of any use for a series of years. Besides this the filling of the tanks depends not so much on the amount of rainfall measured, as on a continuous, and heavy

down pour within a limited space of time ; and the utility of tanks for irrigation in the Rubbee, depends on the time of year, in which this down-pour occurs There really seems to be no alternative, except yearly to examine the irrigated area

13 Having found it necessary, to make this annual inspection, it was clearly, an advantage to forego the principle of a general abatement, for the fields nearest the embankment, and sluices, always get the water first, and in years of drought absorb it all, and thus a general abatement is inequitable, so far as it takes some portion of Water Revenue, from people who receive no water, and takes less from those, who have specially benefitted at the time when they could well afford to pay more for its use It was therefore determined to exclude the Water Revenue from the Khewut, and to collect the assessed Revenue from those fields only, which received water in each year

14 The advantages of this maximum and minimum system appear to be,

1st —Those only who get Water pay for it

2nd —When Water is scarce, and consequently valuable, they pay more, than when it is plentiful, and consequently cheap

3rd —The Headmen, and Zemindars, have an incentive to economize the Water, and to spread it over a larger area, for within the minimum, and that is in all ordinary years, the more they irrigate the less will be the Rate per acre

15 The Standard or Lump sum, fixed by the Settlement Officer, and announced to the Villagers, is consequently a sort of Mean, fixed on the present condition of irrigation, on one side, it is protected by a maximum, preventing the people from over-assessment, on the other side, it is so arranged that any large extension of Irrigation, shall bring in an increase to the Government Insomuch, as this system entails an annual enquiry into the area irrigated, I am aware, that it does not strictly carry out the orders of Government, but it seems to me, and has appeared so, to all the Local Officers, both Civil, and Irrigational, to be the most practicable means, of obtaining an equitable assessment

16 In the tanks to which this system of Assessment is applied, the water will not be allowed to be run off, as is too often done in the smaller tanks, to enable the bed to be cultivated with Rubbee crops consequently no assessment has been fixed on the bed of these tanks, but if in any year the tank, is so drained of its contents, that the bed is exposed in time for cultivation, it is proposed to assess such cultivation, in this way it is hoped, that even in years when water is scarce, the Standard sum will seldom be departed from, as in such years the loss of Water Revenue for direct advantages, will be compensated for, by the gain accruing from this source.

17 The introduction of this system, will require some extra supervision, and control, and it will I fear, necessitate the appointment of an Officer as Superintendent of Irrigation, at leat for the first few years, to watch the proper working of the collections, and to superintend the annual inspection of the fields, and distribution of the water Without such an Officer, I fear that the Revenue may suffer, and as he can be useful in other ways, I consider such an appointment should be sanctioned, but this subject will be alluded to further on, in considering the Committee's Report

18 Having arrived at the conclusion that this proposed system, should be recommended to Government for acceptance, I thought it advisable to convene, a Committee of Local Officers, Civil, and Irrigational, to consider certain subjects which are recorded in this Office Proceeding dated 16th May 1874, and I now propose to report the recommendations arrived at by that Committee for the orders of Government

19 In the first place, the Irrigational Officers doubted the applicability of the system of Assessment proposed to be introduced, to any future new works, which might be executed during the term of the Settlement, as well as to repaired, or restored works, (*vide* Superintendent of Works' letter No 1260, dated 8th May 1874,) secondly, there was great doubt, how profit could be shown to arise from works, the construction of which, though highly desirable as they might be, give no means of direct Irrigation, (*vide* Superintendent of Works' letter No 1261 dated 8th May 1874,) thirdly the means of bringing to account, all profits arising from Irrigation works, directly or indirectly, had to be considered, as for some time there had been an impression abroad, that such works had not been profitable

20 These were the three main points, that the Committee were asked to consider, and they unanimously decided, as will be seen from their Report accompanying this letter, that the proposed system of Assessment, was the best that could be devised, that it can be easily adapted, and extended to new works, or to such extensions as enable the tank to irrigate fresh areas, that for repairs, or for re-constructions, no increased Revenue is claimable, or should be expected, as without such repairs, or re-constructions, the existing Revenue would be lost (*paras 2, 4, 5, 6, & 7, of Committee's Report*)

21. On the second point this District, being on the Water-shed of this part of India, on a high table land, and rocky withal, where Springs scarcely exist, it was generally admitted, that Wells could not as a rule, be profitably sunk, unless some means was resorted to, for the artificial storage of water, at a higher level than the well, it was therefore considered fair, that a certain portion of the increased Revenue, derivable from wells, should be credited to such Irrigations Works, which as a matter of fact, almost invariably

do feed the wells, of this District, but few wells existing anywhere, but in some drainage channel, which either run into, or away from some Tank, and which are accordingly affected in a material degree by such Works.

22 The Committee therefore proposed, to make a book-transfer, of a certain proportion of the Revenue derivable from Wells, to Tanks, and other Irrigational works; after deducting $\frac{1}{2}$ the Revenue derivable from all wells, in the District, to compensate for such Wells, as are in no way assisted by such artificial causes; the balance of the Revenue, the Committee propose to divide as follows —Deduct Rs 1-4-6 from the average Rate levied on wells, for the advantages of Land, and Manure, this is pure Land Revenue, the balance Rs 2-8 is the demand caused by the extra productiveness of the land, owing to the presence of water, of this sum, the Committee proposes to credit half to Irrigational Works

23 To this proposal, the Deputy Commissioner alone, of the Committee objected, and his Dissent, will be found recorded, amongst the printed papers accompanying Headmits, that Wells are greatly benefitted by Tanks, and in certain cases, (Amner for instance,) existing wells, would be useless, without the tanks, the principal objections, Major Repton urges, to the Committee's recommendation are, that it is a novel proposal, and, that it is impossible to gauge the advantage obtained by Wells from the construction of Embankments in the force of both these arguments I agree, but in the first place the transfer of funds is simply one of account, and secondly we fully believe, that we have under, rather than over-estimated, the advantages derived by wells, from these embankments Accordingly I do not think, that any complications need arise from accepting the recommendation of the majority of the Committee, while it is clearly equitable, that a proportionate share in all substantial profits, arising from such works, should be credited to them

24 On the third point the proposals, of the Committee, have been somewhat set aside, and over-ruled, by the subsequent orders of the Government of India, Department of Public Works, in their Proceeding's No 148, dated 29th May of this year, passed on the Report of a Committee held in Ajmere in July 1872, these orders appear to have disposed of some of the points, we were again considering in Committee, only seven days before the abovementioned orders were passed, but it may be profitable to set out for the further, and final decision of the Government of India, the arguments, which the new Committee considered and the recommendation arrived at thereon

25 The Committee find (*vide* para 13) that a net gain of nearly 10½ lacs, has been obtained from existing Tanks, after deducting every thing, that could by any fairness be charged against these works, which are admitted by Government (*para 18 of Proceeding, Public Works Department, 29th May 1874*), to have cost less than 6½ lacs for initial construction, the future Income is estimated from them at $\frac{1}{4}$ of a lac

The Committee consider, under these circumstances, that Interest on the 10½ lacs which Government has gained, should be set aside to keep these Works in thorough repair.

They also consider, that as the Profit has been proved to be so remunerative on the whole, and that as the Tanks are now taken over by Government without any actual cost, and with an annual income of $\frac{3}{4}$ of a lac, that sum should now be Capitalized, and a Grant equal to such capitalized amount, should be made over to this District, for further extension of Irrigational Works, viz 15 lacs, which, there is every reason to believe, could be profitably laid out

26 Whether the Government will be prepared to accept this recommendation or not, I am not sure, as probably it will look on reasons for State expenditure, from a broader point of view, than a mere question of profit in one particular Department, but our aim, and object, will have been obtained, if Government consents, to continue laying out a fair sum of money annually, on Irrigational Works in this thirsty land, and will not, as at present, consider whether each work proposed, will bring in the profit of 6 per cent, but look on them as a whole, and as a series of works, for a number of years, spread over the entire area of the District

27 The real object, we believe Government to have in view, is not a mercantile speculation on each work, but rather the political advantages, as well as the welfare, and happiness, of their Subjects, an Insurance against famine, and an inducement to the Potentates of the neighbouring States, to follow our example. If we are right in this view, I would urge most strongly, that each Work proposed to be constructed, should not, (as at present,) be considered by itself on its own merits, but be considered as part of a whole and great scheme for the complete Irrigation of this District, in some places, rock is found near the surface, or natural rocks close in, and give a convenient and cheap storage for water, in other places, these advantages do not exist, but Water is there, quite as necessary for the cultivation of the fields, and for supporting an increasing Population from the horrors and ravages of future famines, while therefore, a drop of water is allowed to leave this arid District, through its varied, and numerous drainage lines, which could possibly be turned to account, for purposes of Irrigation, we cannot consider that our work has been done, or the success of our aim, and object ensured

28 The general complaint is the paucity of Officers, I admit, and not the want of money, for the slow extension of Irrigation in this District, which I have more than once officially reported upon, and only lately there was a talk of abolishing the Irrigation Division, as if there was nothing more to be done, in the District, when works, on at least two Streams, of some magnitude,

the *Kharee*, and *Dhai Nuddees*, have not even been Inspected, or Surveyed, though for more than two years, I have been pressing the importance of these works on the Public Works Officers, hitherto without any success, I regret to say and any year, may see us with a famine on us, and we shall then be but little more prepared to meet it, than when the last famine overtook this unfortunate District. No part of India, is so liable to famine as this, and in no place is Irrigation, so much needed and innumerable spots exist, in which perhaps 200 more tanks, big and small, could be constructed, beside the anicuts and dams on the Nullahs, before we should be in a position to rest satisfied with our labors. I, therefore, take this opportunity again, of urging most strongly, the urgent necessities of the District, placed under my charge, for more Irrigation Officers, for larger grants of money, and for a broader view of considering the profits, which are derived from such works

29 With this Report, we have printed a very valuable Memo by Mr. Culoheth, Executive Engineer in the Irrigation Department, which shows that Officer to take a very lively interest in the necessities of the people, and the irrigational requirements of this District, and the Committee have accepted as the foundation of their Report many of the arguments advanced by that Officer, the only point that the Committee have not accepted is the necessity (*vide para. 3 of Committee's Report*) urged by the Irrigational Officers, for a separate establishment, under the Public Works to distribute the water, from the large tanks under construction, and the majority of the Committee, consider that the Superintendent of Irrigation proposed by Settlement Officer (*in paras 18—20 of his letter*) could easily combine such work, with the annual attestation of the areas irrigated by the larger tanks

30 The Committee fully agree with the necessity for the appointment of such an Official, whose local inquiries in such important Revenue matters, could be trusted, and relied upon, and who should be able to visit each of the tanks, which have been assessed on the Standard sum system, during the growth of the crops. As the list of fields irrigated, must be prepared, the Committee consider that the Putwarree, or *Village Accountant*, would not be sufficiently supervised, if this work was made a part of the regular duties of the Tehsildar, or Canoongoe, as it would soon come to be prepared in a perfunctory, and incomplete form, and eventually a greater loss of Revenue to Government would accrue, than by the payment of the salary of such an Officer as is here contemplated, drawing not less than Rs 150 per mensem, and travelling allowances with an Establishment of Rs 30 per mensem, (for a Mohurir, on Rs 20, and two Chupprassies on Rs 5 each,) and they therefore recommend sanction being given, to such an appointment

31. I would also propose, to utilize this Official, in repairing, and keeping in repair, all the tanks, which are now repaired by the Civil Officers, and require no professional advice, or assistance, but I would not propose to make

him Manager of the Wards' Estates, as the Settlement Officer does, in para 19 of his letter, as I think he would have ample work to do, without such employment, and which would certainly lead him away from the sphere of his more immediate work

32 It only remains for me, now to sum up the proposals here made, and to state my recommendations for the orders of Government

In the first place, I recommend, that the arrangement proposed by Mr La Touche, Settlement Officer for the levy of Water Rate, be sanctioned for the term of this Settlement, subject to such modifications, as may be found necessary by experience at the end of the present Settlement

Secondly, that an Officer to be called the Superintendent of Irrigation, with an Establishment as abovementioned, be sanctioned for this District

Thirdly, that the profits of Irrigation be reckoned, as proposed by the Committee, to include a certain portion of the Well Rate, as well as the Water Rate, levied on areas irrigated by Tanks

And fourthly, that early measures, for the more rapid extension of Irrigation, in this District (irrespective of actual profit on each work,) be taken, so as to protect every available acre of cultivation in the future, from the ravages of the fearful famines, that have so frequently devastated this District, which is one so peculiarly situated on Highlands forming the Water-shed of India, without natural Springs of its own

33 In conclusion, I would bring to the notice of Government, the remarkable intelligence, earnest care, and great foresight, brought to bear on this subject, as well as upon all other matters connected with his work, by Mr La Touche, not only because he has materially assisted, in putting this matter clearly before the Government, but also because after much difficulty he has brought the whole subject, to what I trust may be considered a satisfactory and practical conclusion, elicited from many contrary, and opposing theories, and opinions, and I would also here wish to notice generally, the very hearty assistance, and continuous co-operation afforded to us, by the Officers, both Civil and Irrigational, forming the District Committee whose report accompanies

I have, &c ,
LESLIE S SAUNDERS,
Commissioner, Ajmere

AJMERE TANKS AND THEIR ASSESSMENT.

Read the following papers —

Government letter No. 377 R, dated 25th October 1871, paragraph 4 ordering Water Rate to be assessed separately

Former Committees Report on Capital account of Tanks, 1872

Settlement Officers No 151 of 21th April 1874, suggesting mode of assessing Water Rate Deputy Commissioner's No. 572, dated 16th May 1874, giving opinion on above

Superintendent of Works No 1260, dated 8th May asking how increased Revenue can be obtained on increased expenditure during term of Settlement, and No 1261 dated 8th May 1874 asking how profits are to be shown on works which have no direct irrigation from them

Resolution — It seems desirable that the whole subject of Water Rate for the Ajmera and Marwar Districts, should be passed in review, before a Final Report is made to Government on the subject, more particularly with reference to the future extension of Irrigation which will not be likely to be easily sanctioned, unless it is clearly demonstrated that such works are profitable to Government as doubtless they are, though it may not always be easy to show this as a matter of fact

A District Committee to consider this subject is hereby convened to meet at the Dowlat Bagh on Friday May 22nd 1874, at 11 A.M., to consider this subject. The Officers of the Public Works Department, having been directed to attend the Committee by the Chief Commissioner,

The Committee will consist of

LESLIE S. SANDERS, Esq., *Commissioner, President*

MAJOR H. M. REEVE, *Deputy Commissioner*

LIEUTENANT COLONEL WILLIAMS, *Superintendent of Works*

W. CHURCHILL, Esq., *Executive Engineer, Irrigation Division*

J. D. LA TOUCHE, Esq., *Settlement Officer, Member and Secretary*

The above mentioned correspondence will be placed before the Committee, and they will then proceed to consider the following points

I — The general applicability of the Settlement Officer's proposed system of Water Rate to these Districts as also its extension during the term of the Settlement in the future, to new projected or repaired Irrigation Works

II.—The best means of showing profits that accrue to Government from the many useful tanks which feed wells sometimes with and some times without direct Irrigation

III —The means of showing accurately the Revenue which may be calculated to accrue from Irrigation Works, either direct or indirect, and the Agency by which the Water Rate is to be calculated and brought to account

Copy to be sent to each member of Committee and correspondence mentioned as read to be circulated by Secretary before meeting to each member, and whole correspondence and Committee's Report to be furnished to Commissioner in print as soon as possible, after the meeting

AJMER
COMMISSIONERSHIP,
The 16th May, 1874

(Signed) LESLIE S SAUNDERS,

Commissioner Ajmere and Mianwarra.

No 1496, of 1874.

Copy with papers in original forwarded to the Secretary of the Committee for circulation amongst the members of the Committee

AJMER,
COMMISSIONERSHIP,
The 16th May, 1874

LESLIE S SAUNDERS,

Commissioner, Ajmere and Mianwarra

Extract from a letter of Secretary to Government of India. to Officiating Chief Commissioner of Ajmere, No 377d dated 20th October 1871.

Paragraph 4 At the Settlement a separate Water Rate should be assessed on the irrigated lands, being fixed (on the supposition of the existence of the full supply of water in the tanks) at a maximum which may be lowered, or altogether remitted by the Chief Commissioner according as the quantity of water, during the agricultural season of each year falls short of that maximum. Such remission should be a general abatement on all lands within the same water supply, and not more or less on particular fields, and as the rate will in the first instance be fixed with due regard to the supply, which may reasonably be expected, there need be no apprehension of a difficulty in determining one general proportionate rate of remission without the necessity of inspecting the fields of individual cultivators or proprietors

ed or the reverse, the cost of repairs will be little or much, but the majority of the embankments have not been solidly constructed and no embankment lasts for ever. All are perpetually requiring repair. Periodical repairs are absolutely necessary to keep up the Water Revenue to its present standard, and the Irrigation Department can claim no increased Revenue for mere repairs, no more than a house-owner could lay claim to an increased rent on the ground that he had stopped a leak in his roof. The maximum and minimum system will be worked for those villages in which it has been adapted, in those villages for those tanks it has not been adopted there will be no increase in Revenue owing to repairs during the currency of the Settlement.

5 When a tank is repaired and its capacity is at the same time increased, it may be difficult to show how much of the expenditure is due to necessary repairs, and how much should be debited to extension. The two things, however, are distinct, and should be separately shown by the Irrigation Department. Where a tank assessed under the maximum and minimum rule is extended the Irrigation Department, can claim as increased Revenue, the water rate over the land which is brought under irrigation. To take the instance of Dubrela tank, where a work of extension is in progress, the Executive Engineer calculates that he will be able to give water to 415 acres over and above the area now irrigated, the Settlement Officer has assumed 250 acres, as the amount which the tank can irrigate in its present state, and has assessed the Water Revenue at Rs 1,094 by a rate of Rs 4-6-0 per acre. The maximum rate is Rs 5, the minimum 3-12-0 per irrigated acre. If 400 acres more be irrigated the Water Revenue at the minimum rate of Rs 3-12-0 will be Rs 2,138 of which Rs 1,344 will be due to the extension. At next Settlement, other things being equal if the present system be adopted, the average area irrigated will be assessed at the mean Rs 4-6-0, and the Revenue due to the extension will be enhanced.

6 If it be proposed to increase the capacity of a tank other than those where the maximum and minimum system obtains, it will be necessary to enter into a separate agreement before the work is commenced. The features of the agreement should be the same as those in cases where a new tank is constructed, but when the extension will not wholly alter the character of the tank, it will be sufficient to take the sum assessed on the tank, but now included in the Revenue of each holding as the normal Revenue, and provide for reduction and enhancement by the operation of the maximum and minimum rule.

7 A re-construction of a tank may or may not be an extension. It may become necessary to re-construct it in order to keep up the Revenue, but a re-construction as a general rule will be an extension, and will be provided for by the above rules.

8 In this District situated, as it is on the water-shed of the continent there are no permanent springs in any of the wells. All wells derive the supply either by percolation from tanks or by percolation from a sandy nullah which absorbs the rain-fall. In Mhairwara where the beds of the water-channels are rocky, except in a few cases, and where from the slope of the country rain-fall if unimpeded rapidly flows off into Meywar and Marwar, the chief supply in the wells is due to tanks. In Ajmere which is more level and where the water-channels have sandy beds, the chief supply is due to nullahs. Beyond a short distance on each side of a nullah all irrigation ceases, and where there is no influence from tanks or nullahs there are no wells. Taking the whole District, we are of opinion that the supply in half the wells is due principally to the existing tanks. Colonel Dixon, was of opinion, that the tanks had raised the water level all through the District and his successor Major Lloyd held the same view. The influence of a tank is not confined to the land immediately below its dam. It is well known that the fertility of the whole of the Ajmere Valley for 10 miles from the Ana Sagar depends almost entirely on that lake, while the direct irrigation from the lake is little or none. It is also notorious that the Kankarh lake in Meywar fills the wells in Godwar on the other side of the Aravali range. The fertility of many of the low lying bottoms in the Pushkari Circles depends on the filtration of water from the Pushkari lakes through the sand hills. It may be impossible to gauge exactly the sum due to the tanks on this account, but it is certainly not less than Rs 20,609, the amount calculated in para 17 of Mr. Culcheth's note. The average assessment on well-land being Rs 3-12-6, we strike off Re 1-4-6 for soil and manure. This leaves Rs 2-8 per acre as due to the water. Half of this rate on half the channel area, we consider Water Revenue due to the tanks.

9 Where new tanks are constructed, it may not be possible to show at once the benefit they confer on the well-supply. Wells are not dug immediately in the places to which the influence of the tank reaches, but in an old work like Amner, which has been re-constructed for the benefit of the wells below dam, this benefit may be considered equal to half the Water Revenue found, as above by deducting a fair rate for soil and manure from the well-land assessment.

10 At the present assessment the amount of Water Revenue which has been separately assessed in accordance with the orders of the Government of India is Rs 55,432. This sum represents the direct Revenue derived from the Tanks. It may not be collected every year, but if one tank pays less than the assessed sum another will pay more, and a provision has been made in the Settlement engagements, that when any Revenue is remitted from the Talabae area, the water cultivated in the bed will pay Revenue. This sum therefore may be considered fairly constant, and adding the amount due to in-

direct benefits to wells, we consider the probable receipts from the tanks may fairly be stated at Rs 76,011 yearly

11 To consider the amount of the Talao cess, as the sum to be credited to the Revenue side of the Budget of the Irrigation Department, is to ignore altogether the origin and character of this cess, and this cess will altogether cease to be collected from next khureef when the new Assessments come into force. In order to provide a fund for tank repairs, Colonel Dixon obtained sanction to appropriate from the Government Revenue an amount equal to 1 per cent of the money expended in each village on tanks. This amount was Rs 11,000 a year, and Colonel Dixon considered, that the tanks could be kept in repair for this sum, and that as repairs are a continuous demand, it was easier to provide for a regular income than to obtain sanction every year for the amount required. Instead of considering this sum, therefore, as the amount of Tank Revenue it should more properly be considered a deduction from that Revenue, i.e., in order to get Rs 76,011 yearly, Government must spend a certain amount in repairs. The only question is—Is Rs 11,000 a sufficient sum to keep the tanks in repair?

12 We are certainly of opinion that it is not. In para. 8 of the Report of the Committee of 1872, there is a statement showing the annual expenditure on repairs for 20 years. But a small sum was spent on new works, and this was chiefly in the years 1817-1818, 1818-1819. It is notorious that this expenditure supplemented though it was by contributions from the villages did not suffice to keep the tanks in repair and that numbers of them now require repair. Making allowance for the fact, that the cost of work has nearly doubled since Colonel Dixon's time, whose rate for masonry was Re 1 per cubic yard, we think that Government should be prepared to spend Rs 30,000 a year exclusive of establishment upon repairs alone.

13 That Government have not lost by the tanks, we consider is conclusively shown in Mr Culceth's note. In the Report of the Committee of 1872, para 14, the annual share of the Revenue due to tanks is estimated at Rs 93,672. Thus, we consider if anything an under-estimate. It takes no account of the benefit to the wells. The Revenue under Colonel Dixon's Settlement was about Rs 75,000 more than at the present Settlement, and pretty regularly collected until the famine. The reductions which have now been made have been chiefly on Talabee land. With this estimate, however, Mr Culceth, has shown (Appendix B of his note), that up to the end of 1873-1874 Government has a net gain of Rs 10,41,063 from the tanks, and we have already shown that after the new Settlement has commenced working, the annual Revenue due to the existing tanks may fairly be taken to be Rs 76,011.

15 The tanks then are not a losing investment. The Province can fairly claim interest on 10 lacs or Rs 50,000 a year for repairs extensions and establishment. Since the Irrigation Division was formed in A. D 1869, new works have cost $2\frac{1}{2}$ lacs, but the capital represented by the annual income of Rs 76,000 is 15 lacs, and this amount at least should be at the disposal of the Province for new works.

16 Financially the tanks pay as an insurance against famines. But for them there would be a scarcity every third year or so as in olden times, probably every seventh year a famine. Government has taken on itself the responsibility of providing, that no one of its subjects shall in a year of scarcity or famine be allowed to perish by starvation, and money spent on tanks diminishes or renders unnecessary the extraordinary expenditure which must be periodically incurred in keeping a portion of the population alive.

17 Apart from all balance sheets, the political advantages of the tanks and their effect upon the happiness and welfare of the people must be allowed to be of considerable weight. The tanks have reclaimed Marwarra, from being a wild jungle through which no man could pass with safety. But for the tanks the greater part of the population of the District would be a migratory one cultivating in years of good rains and emigrating to Oodeypoor and Malwa in years of scarcity. Situated as Ajmere is in the heart of Native States, the necessity of making the District a model of administration to the Rajput Chiefs, was early recognized by the Government of India, and by the Court of Directors, and though our efforts to this end may not have been uniformly successful, still there is no doubt among all who know the District, that the best and most obvious way to ensure prosperity and render the people happy and well to do, is to retain within the district as much as possible of the precarious rain-fall by the construction of new and the improvement of existing embankments.

18 To sum up, we believe, that the system of Water Revenue Assessment proposed by the Settlement Officer, is the most practicable which can be devised both for new tanks and for extensions of existing tanks. A majority of the Committee is opposed to the formation of a separate establishment under the Department of Public Works, for the distribution of water and collection of the Revenue of any tanks. Such distribution and collection, we consider can be best effected through the Deputy Commissioner. The tanks had paid for themselves before Colonel Dixon's Settlement, and during the currency of last Settlement, there has been a net gain of over 10 lacs due to the existence of the tanks. For the future, the annual profits of the tanks may be assumed to be Rs 75,000, and in this is not included the value of the tanks, as an insurance against famine which must be considered a large annual

sum Apart from the financial aspect of the question, the value of the tanks in their effect upon the happiness and welfare of the people is inestimable

(Signed)	LESLIE S. SAUNDERS, <i>Commissioner and President</i>
„	H M RERTON, <i>Major,</i> <i>Deputy Commissioner</i>
„	J WILLIAMS, <i>Lient-Col,</i> <i>Supdt of Works.</i>
„	W W CULCHETH, <i>Executive Engineer.</i>
„	J D LA TOLCHE, <i>Settlement Officer</i> <i>and Secretary.</i>

*Memo on the revenue derivable from
tanks in Ajmere and Bhairwa, ra*

BEAWARE, 20th May, 1871

It is necessary to prove to Government, that the tanks in this district pay, or funds are not likely to be allotted for new works. This too must be done by figures showing clear advantage. At present the Irrigation Budget for 1874-75, (corrected as per Government orders) shows a probable net deficit to the end of the year of Rs 72,155, (See Appendix A.)

(2) The revenue shown is that from the Talao cess and the miscellaneous receipts only. In preparing the budget for 1873-74, the amount stated by the Committee (of 1872) on Capital Account, as the annual income directly due to the tanks, is —Rs 90,672, (a) was shown as estimated revenue, giving a surplus (net) of Rs 8,756 to the end of the year. This was struck out by Government, with the remark that the amount shown was part of the land revenue. In consequence of this, the balance for the past year is shewn as a "probable net deficit" of Rs 71,826, which after deducting "actual net surplus to end of 1872-73, Rs 16,671" leaves a deficit of Rs 55,155 for that year instead of the surplus estimated in the previous budget.

(a) See para XIV of the Report of the Committee 1872

(3) This mode of calculation would show that the tanks are not worth keeping up, which is absurd when it is considered, that very little of the land revenue would be forthcoming, but for the tanks all over the district. I propose therefore to re-examine the matter with the help of the statements given in the Report of the Committee of 1872 for want of better information, which I have not been able to get.

(4) It appears that the tanks have cost as follows —

Up to 1846-47 (a)	Rs	6,17,563
During 1847-48 and		
1848-49 (b)	Rs	1,13,959
Total	Rs	7,31,522

(a) Report of Committee (1872) para VI

(b) Report of Committee (1872) para VIII

(c) Report of Committee (1872)
para VI

It was also shown (c) that a clear profit of 150 per cent was made up to 1816-17, but as no distinct accounts of repairs and constructions appear to have been kept, it is better to take no further notice of that, while on the other hand all charge for interest on the outlay before that time will be omitted

(d) Report of Committee (1872)
para XIV

(i) The revenue directly derived from the tanks during the last Settlement was estimated (a) to be Rs 90,672, which the Settlement Officer considers to be as nearly correct as it is possible now to ascertain it. This then would give a revenue of Rs 18,13,110 during the 20 years ending with 31st December 1868 (when the Irrigation Division was formed). From this must be deducted the remissions, cost of repairs, and the cost of new tanks with interest on outlay during that time, and we arrive at the following result, viz that a net revenue of Rs 12,09,046 (b) was derived from the tank during that period

(e) See Appendix B-(1)

(b) Continuing the account down to the end of 1873-74, we have to deal with a time of famine when large remissions of revenue had to be made. To simplify the account, all direct revenue has been omitted for the five years as well as the remissions. The cost of repairs and of new tanks with interest being deducted leaves a balance of Rs 10,11,010 (a) which should now appear as available for irrigation works. That is, there is really a surplus of Rs 10,11,010 instead of a deficit of Rs 72,155 as shown in the account before Government (See Appendix A)

(a) See Appendix B-(2)

(7) In the foregoing calculation the Talao cess and miscellaneous receipts have been omitted in consequence of the full direct revenue having been credited to the account

(8) So much for the past. It is now necessary to consider the future prospects of the tanks, with reference to the three questions laid before the

Committee convened for the 22nd instant

(9) Now, although it is by all acknowledged that but for the tanks very little of the revenue could be collected yet in the new Settlement, only a little in excess of one-fifth of the total revenue is shown as due to irrigation. This may be correct from a Settlement point of view, but is misleading when it becomes a question of the advantages of extending the tank system or of confining all expenditure to simply repairing existing tanks

(10) The Rs 55,432 entered in the Settlement, as water revenue is mainly if not wholly derivable from talabee land. Abee has been generally omitted, and no credit has been given for the irrigation of land which is under the influence of a well and yet is irrigated from a tank. No information is at present procurable as to the area of land so situated

(11) In Colonel Dixon's time, I believe, well land was not allowed to be irrigated from a tank, and such a rule should be re-enacted, if the tanks are to get no credit for such irrigation while their extension is restricted. Water so saved could be used elsewhere, or, if there be no baranee land, below, its remaining in the tank (unless a small one) would be advantageous. The quantity of water now used per acre of land irrigated is very great and ought to be reduced as much as possible

(12) Another case is, that of rupsuts which are acknowledged to be most useful, keeping up the supply of water in wells for which, however, no credit is given to the Irrigation Department. It must be confessed that, it is difficult to fix a money value on such an indirect advantage

(13) The uncertainty attending the question will be apparent from Appendix C, where the 5th 6th and 7th Columns show the requisite return (to pay Rs 5 per cent) on the outlay, the loss of revenue reported by Assistant Commissioner, and the water

revenue fixed by the Settlement Officer, which it will be seen is a small fraction only of the reported loss.

(14) Doubtless this arises from a large portion of the loss being the land revenue from the ground lying fallow or not yielding, good crops. The effect on the wells is seen in Column 8 and 9 (Appendix C) I have not been able to get information in any other instances, but these are sufficient to show how greatly these works affect the revenue, though no direct profit, or but very little can be credited on their account.

(15) When the in-direct advantages of tanks, and of ruppits in particular, are so decided, a mere matter of account ought not to stand in the way of their extension. A rough proportion of the whole revenue would be far better than allowing them to appear as unremunerative works.

(16) I am of opinion that one half the Chahee rate on half the area would not be too much to credit to the tanks in addition to the water revenue, the tanks as a whole, are on all hands acknowledged to be remunerative, but the accounts at present show them not so, when this anomaly is removed, funds cannot be refused for new works on the ground that those existing have not been shown to pay, while it exists there is likely to be difficulty, in getting more funds.

(17) The average rate of well land in the Ajmere district is Rs 3-12-6, from which if the baranee and manured rates &c, which amount to about Rs 1-4-6 be deducted, it will leave Rs 2-8-0 due to the water. The area of Chahee in the whole district is 32,975 acres on half of which half the above rate would give

$$\frac{32975 \times 21}{2 \times 2} = 20,609 \text{ rupees, as the additional revenue to be credited to the tanks. This will give a total Rs } 55,432 + 20,609 = \text{Rs } 76,041.$$

(18) With regard to the revenue to be credited to those works for each of which a separate revenue account is kept, it does not appear possible to show a fair direct return from such as the Amnere dam, which benefits

the land in an indirect way, and can therefore be best shown collectively with the other works in the Purgunnah Extensions of old work like Makerwallce, ought, on the other hand, to show the whole revenue from the work and not merely the increased revenue

(19) For the extension of existing works during the term of the new Settlement, it will perhaps be necessary to arrange before hand with the villagers for the required increased revenue, but in the case of new works this will not be so essential, as the water can be withheld unless the extra rate for it be paid

(20) A separate establishment is necessary to look after and assess the water revenue, otherwise it does not seem possible to keep a correct account of the same, particularly in the case of the large works now under construction To ensure their success also, it will be necessary to exercise some control over the distribution of the water especially with a view of preventing waste

(21) The large quantity of water now used with, but such poor results is principally owing to waste It will not be possible perhaps to do much in this matter with existing tanks except in the case of the larger ones, where the waste is probably greatest The beds of these are unassessed, so that there is no necessity for running the water off as hitherto, though I doubt whether it will not continue to be done, if some steps be not taken to prevent it Allowing the water to run away to the low waste land, coupled with the excessive quantity thrown on to the fields, tends to deteriorate the soil by assisting the formation of *reh*, which has caused so much of the soil to become barren

(22) It is a maxim of the present day, that drainage and irrigation must go together Though perhaps but little in the way of drainage can be carried out in connection with existing tanks, yet much might be done to prevent the accumulation of water on low lands

Memo by Deputy Commissioner, Ajmere

I object to the general principle, that if wells exist, or are hereafter constructed in the rear of Talaoos, a portion of the Land Revenue paid on the land irrigated by such wells should be credited to *Tank Revenue*.

1st—Because it is very difficult if not impossible, to calculate the exact amount of advantage due to the Tank.

2^d—Because it would be contrary to the intention of Government, which is to charge a water rate only on those lands which directly obtain water from the Tank (which are usually called Talabao).

3^d—It is a novel system, which I do not think has ever been adopted in any other District, in which Tank irrigation is usual.

4th—Under the orders of Government any person who with his own or borrowed money makes a new well during the currency of the Settlement, will not be charged any increase of revenue till 10 years after the current Settlement expires.

A man who digs a well immediately in rear of a Dam thus pays no extra Land Revenue or water rate for say 20 years—but a man who has an old well situated say a mile distant from the rear of the dam, thus pays a proportion of his Revenue to the Tank revenues, though the well may hitherto have been filled by percolation from a nullah, but now that a Tank is made the water in the well is raised thereby, and therefore the amount due to Land Revenue is reduced in order to credit the Tank Revenue, and show that the Tank is a remunerative work.

5th—The proposal to take $\frac{1}{2}$ the well irrigated area as due to Tanks can only be a guess—and it is therefore quite optional what amount of Revenue is credited to the account of Tanks.

6th—There may be special instances where as at Amnoro the Tank supplies water to wells only, and then a water rate on such wells and lands would be allowable, but these are special cases and do not affect the General Principle.

H M REPTON, Major,

Deputy Commissioner, Ajmere and Mhairwarra

Appendix A.

Extract from Budget estimate of the Irrigation Department, Raypootana, for 1874-75

REVENUE ACCOUNTS

		<i>Tanks in Ajmere and Mhairwarra</i>	<i>Rs</i>
Probable receipts during 1874-75 as per part VII	..	.	11,200
Probable revenue expenditure during 1874-75 as per part II			12,000
			<hr/>
Balance deficit	..	.	800
Probable net deficit for 1873-74		.	71,826
			<hr/>
Total	.	.	72,626
Actual net surplus to end of 1872-73	.	.	16,671
			<hr/>
Total probable deficit to end of 1874-75	.	.	55,955
			<hr/>

The same corrected in accordance with Government orders on the Budget Estimate for 1874-75

		<i>Rs</i>
Probable receipts during the year	.	11,000
Probable revenue expenditure during the year		28,000
		<hr/>
Balance deficit		17,000
Probable net deficit for 1873-74		71,826
		<hr/>
Actual net surplus to end of 1872-73	..	16,671
		<hr/>
Total probable deficit to end of 1874-75	..	72,155
		<hr/>

W. W. CULCHETH, C E

*Executive Engineer,
Ajmere Irrigation Division*

Appendix B.

Summary of the Receipts and Expenditures of the Irrigation Division during the 25 years, from 1849-50 to 1873-74 inclusive

I—Receipts and Expenditures of the Irrigation Division

Grass revenue during the 25 years from 1849 to 1873 inclusive (Rs. 90,672 33/4)	Rs.		
		18,13,440	
Income—			
	Rs.		
Revenue	3,36,545	Rs.	Rs.
Cost of Irrigation	2,34,656	5,71,201	12,12,229
Cost of new tanks constructed		22,129	
Interest on outlay @ 5 per cent per annum for 25 years (Rs. 22,129)		11,064	33,193
		<hr/>	<hr/>
Net Revenue			12,09,046

(1)

II—Summary of the Expenditures of the Irrigation Division

Initial cost of former outlay (reference of the 20 years) for 25 years			12,09,046
Grass revenue credited (owing to the remissions on account of the famine)			
Disbursements—			
Cost of repairs (exclusive of establishment)	1,40,986		
Interest on outlay (Rs. 22,129) on new tanks during the former period at 5 per cent per annum for 5 years	5,532	1,46,518	
		<hr/>	<hr/>
			10,62,578
(2)			
Cost of new tanks (paid for out of revenue)	19,118		
Interest on outlay @ 5 per cent per annum for 25 years (of the period)	2,400	21,518	
		<hr/>	<hr/>
			10,41,060

W. W. CULCHETH, C. E.,
Executive Engineer,
Ajmer Irrigation Division

Appendix C.

	Accounts relating to whole revenue			Cost of repairing or re-constructing the dam	Return required to pay 5 per cent	Loss said to have been sustained by breach	Water was fixed by the Settlement	No of wells in use		Remarks by Assistant Commissioner
	Demand	Remission	Collection					While dam was breached	When dam was in order	
<i>Ajmere dam</i>										
4 years (1860-72)	3,680	1,000	1,780	Actual						
Average	920	475	445	19,563	913	425	25	11	47	199 out of 373 beegahs of well and fallow
During 1873	470	.	470							Crops on the remainder, inferior
<i>Dhola Daula, 2nd ripput</i>										
4 years (1860-72)	910	682	228	Actual	40	265	56	1	8	The new repair of the tank represents the loss of all land revenue
Average	235	170	65	382						
During 1873	42		42							
<i>Noondree Malharatoo ripput</i>										
4 years (1860-72)	2,320	1,580	731	Estimated	17	Was not reported on	Nil.	..		No Report.
Average	580	397	183	331						
During 1873	350		350							

W W CULCHETH, C E,
Executive Engineer,
Ajmere Irrigation Division.

At a Meeting held at the Officiating Commissioner's Office, Ajmere, on Saturday, 3rd August 1872, in compliance with Secretary to Agent, Governor General, Public Works Department, Rajpootana,— No 2074S, dated 8th July 1872

PRESENT

Captain H M REEVE
Major J M WILLIAMS
Captain C SHUTTLEWORTH,
J D LA TOUCHÉ, Esq., C S

Read the following papers —

Rajpootana Irrigation Budget Orders, 1872-73 and Secretary to Agent, Governor General No 879 S of 23rd March 1872

Deputy Commissioner's No 2220 of 6th May 1872

Secretary to Agent Governor General, Public Works Department, Rajpootana No 1090 S of 9th April 1872

Government of India, Public Works Department No 149 A I of 9th May 1872

Secretary to Agent, Governor General Public Works Department, Rajpootana, No 1531 S of 16th idem.

Executive Engineer Irrigation Division, No 1149 of 30th May 1872

Secretary to Agent, Governor General, Public Works Department, Rajpootana, No 1279 S of 29th April 1872

Government of India Public Works Department, No 156 A I dated 15th May 1872

Superintending Engineer, Public Works Department, Rajpootana, No 1872 R dated 17th June 1872

Executive Engineer Irrigation Division No 1330 of 24th idem

Superintending Engineer Public Works Department, Rajpootana, No 2010 R of 1st July 1872

Memorandum by Ditto dated 12th June 1872

Commissioner's No 1732 of 8th July 1872

Secretary to Agent, Governor General, Public Works Department, No 2074 S of 8th July 1872

Do do do No 2138 S of 15th Idem,
Do do do No 2236 of 25th idem

Controller, Public Works Department,
Rajpootana Circle, No 1529
dated 24th idem

List I, II, III, of Talao in Ajmere
Beawar, and Lodgur, Sub-Collector-
ates, shewing their common appella-
tion and distance from nearest vil-
lage, and present condition, with
notes of probable cost of repairs
dated 29th September 1871

Dixon's Mhairwarra

Circular No 80, Government of
India, Public Works Department
Account Irrigation, dated 29th Decem-
ber 1871

Printed Settlement Report of
Ajmere and Mhairwarra of 1850

Commissioner's memo on Jalei
Project, enclosure to his No 1089 of
17th October 1871

OBSERVATION

I—The Government of India re-
quire a Capital Account of all the
Talaos in Ajmere and Mhairwarra
shewing original cost, and subsequent
expenditure in repairs. The Secre-
tary to Agent, Governor General
Rajpootana, Public Works Depar-
ment, having pointed out in his
No 1090 S of 9th April 1872, the
impossibility of any approach to an
accurate valuation of tanks, construct-
ed and, from time to time, extended
and repaired, as they run over a great
period of years, the Government of
India, Public Works Department, in
No 149 A J of 9th May 1872, in
paras 2 and 3, have ruled that for all
new works, under construction, or
hereafter sanctioned, the system of
account, laid down by the Govern-
ment of India, for Irrigation Works,
must be strictly adhered to. But for
the old sets of works, long since com-
pleted, if it is impossible to get any

accurate valuation of their cost of construction, or an accurate account of the Revenue derived from them, there is no objection on the difficulties being fully explained in each case, to allow the expenditure incurred thereon, being charged to the Head Agricultural Works, for which no Capital or Revenue Account is kept. In para 4, it is desired that the outlay on, and return from, as many of the series of tanks as possible, may be brought to account, under the Head of Capital and Revenue, and in para 6, that though the larger works are to be dealt with separately, there is no objection of treating any convenient congeries of small tanks, or of restoration as one work, so as to simplify the records of accounts,

II —The List of tanks, submitted by Deputy Commissioner, in September, 1871, shows in the Ajmere Sub-Collectorate, there are 122 tanks

Beawur Do	233	"
Todgurh Do	106	"

Total 461 tanks

That none of them come under Class A, of the Budget, that it is for the Committee to ascertain what portion thereof should come under Class B C and D respectively

III —The Committee observe in the 12 and 13 paras of the enclosure to Circular 80 of 1871 Public Work Department, Account Irrigation Division —

Capital comprises all original projects and extensions, which may be authorized to be charged to this Head

That Revenue will include all repairs, all renewals, and extensions, costing not more than Rs 5,000 each and for separate projects, and any others in excess of Rs 5,000 which may not be sanctioned against Capital

IV —At page 137 of Dixon's Mhair warra, it is stated —

Ajmere Tanks and their Assessment

STATEMENT showing the total Revenue of Ajmere, Meywar and Jalore, for the years 1835-36 to 1816-17 and the increase in 11 years beyond the Jamma of 1835-36.

	1835 36	1836-37	1837 38	1838 39	1839 40	1840 41	1841 42	1842-43	1843 44	1844-45	1845 46	1846 47	Increase in 11 years beyond the Jamma of 1835 36
	Rs A P	Rs A P	Rs A P	Rs A P	Rs A P	Rs A P	Rs A P	Rs A P	Rs A P	Rs A P	Rs A P	Rs A P	Rs A P
Jmere	37,201 13 21	47,987 15 01	51,739 3 01	63,370 0 91	70,005 2 11	78,478 2 8	789,12 11 01	57,568 11 11	91,187 1 11	76,610 15 5	82,012, 6 01	1,01,016 0 01	1,10,891 8 31
Meywar	51,208 13 71	66,126 10 31	66,984 10 10	73,090 11 31	61,889 0 0	69,148 7 31	63,123 11 81	39,835 11 21	79,430 11 11	81,616 1 2	91,649 8 11	1,00,156 11 2	2,00,396 2 11
Jalore	7,212 4 71	10,024 2 11	11,191 12 11	11,779, 0 21	11,716 5 7	12,261 12 11	11,569 0 0	8,067 11 3	6,986 1 11	7,781 12 31	7,228 1 8	9,043 15 2	29,113 10 31
Total	95,621 13 11	1,21,138 13 0	1,30,204 0 11	1,47,130 2 4	1,42,611 2 31	1,60,870 6 101	1,51,036 7 3	1,01,172 11 61	1,77,501 5 10	1,66,105 0 101	1,81,100 0 71	2,10,219 11 2	6,41,231 15 61

Ajmere Tanks and their Assessment

STIPEMENT of sums expended in Maintenance and, the sanction of Government, for Tank Expenditures, from 1835-36 to 1846-47

Year ended	1835-36	1836-37	1837-38	1838-39	1839-40	1840-41	1841-42	1842-43	1843-44	1844-45	1845-46	Total	Increase of Revenue in 11 years beyond the sum of 1835-36.
Ajmer	9,930 0 2	10,119 11 4	11,168 0 2	6,137 12 0	7,723 1 0	8,712 6 11	19,177 13 1	7,313 15 0	2,372 17 10	21,567 15 11	27,217 7 0	1,65,837 7 11	4,10,894 8 3
Meywar	0 0 0	4,000 0 0	1,000 0 0	3,000 0 0	1,000 0 0	7,000 0 0	7,500 0 0	6,062 8 0	7,562 8 0	69,500 0 0	12,680 0 0	57,728 0 0	2,00,306 2 11
Martwar	0 0 0	0 0 0	3,000 0 0	18,000 0 0	1,200 0 0	5,000 0 0	4,700 0 0	2,500 0 0	0 0 0	18,000 0 0	2,000 0 0	17,500 0 0	29,913 10 3
Total	9,930 0 2	14,119 11 4	14,168 0 2	9,137 12 0	8,723 1 0	13,712 6 11	31,677 13 1	15,875 15 0	9,934 15 1	103,317 15 11	47,927 7 0	2,41,112 7 11	6,11,231 5 6

The above statements show that during the above last eleven years, the sums expended on works of irrigation, amount to Rs 2,41,112-7-11½ while during that period the excess of revenue beyond the jumma of the first year 1835-36, was Rs 6,41,234-5-6½ After re-imbursing ourselves for the outlay on public works there was a surplus gain of Rs 4,00,121-13-6½

This, the Committee observes, was a return on the outlay of nearly 300 per cent, up to date 1846-47, for irrigation works in Mhanwarra, that is, to say in the Sub Collectorate of Beawur and Todgarh-

V—At page 205 of the same work, it is shewn that

REVENUE OF AJMER

1812 13		1813 14		1814 15		1815 16,		1816 17		Increase in 1817 beyond the sum of 1812 13	
R ₀	A P	R ₀	A P	R ₀	A	R ₀	A	R ₀	A P	R ₀	A P
3 070,50	0 11	3,77,611	0 2	3,78,0,8	2	3,81 807	2 101	4,05,310	1 0	3,17,771	3 03

TITLE SUMS EXPENDED ON THE TANK EMBANKMENTS

1941-42	1942-43	1943-44	1944-45	1945-46	1946-47	Total
68,601	38,773	44,801	55,508	66,247	82,708	3,70,150

With an expenditure of Rs 376,450-14-11½, the increase of revenue in 4 years, up to 1846-47.

was Rs 3,17,771-3-0½ or nearly 100 per cent, on the outlay being at the same rate of interest for the 4 years, as in Mhairwarra for 11 years.

VI—Adding the above sums together, we have then for these works, a total expenditure of Rs 6,17,563-6-11 a total increase of revenue of Rs 9,59,005-87 giving a clear profit of over Rs 150 per cent, of the total expenditure to 1846-47

VII—These statements shew that these works in 1847-48 had paid their expenses in 4 and 11 years, respectively with a large surplus profit

VIII—From the treasury accounts from 1847-48, to 3rd December 1868, it appears that Rs 3,88,743-5-6* was expended from the Talao Fund, in repairs, constructions and renewals as detailed for each year

Statement of annual expenditure on account of Repurs of Talao &c, from the year 1847-48 to 31st December 1868

No	Year	DISTRICT		Total.	SURPLUS
		Ajmere	Mhairwarra		
1	1874-48	67,093 6 2	18,817 2 1	85,910 8 11	
2	1848-49	34,480 0 2	11,563 0 0	46,043 0 2	
3	1849 50	262 5 1	0 0 0	262 5 1	
4	1850 51	786 14 8	7,950 2 6	8,737 0 8	
5	1851 52	12,373 11 10	12,030 7 0	24,404 2 10	
6	1852 53	5,385 3 3	6,391 13 6	11,777 0 8	
7	1853 54	8,218 1 0	4,067 7 11	12,285 8 11	
8	1854 55	5,956 0 3	3,949 15 1	9,905 15 4	
9	1855 56	5,417 12 11	4,105 15 0	9,523 11 11	
10	1856 57	5,253 0 7	5,671 0 5	10,924 1 0	
11	1857 58	5,706 11 7	3,237 5 1	8,944 0 8	
12	1858 59	8,821 6 11	2,288 10 2	11,110 1 1	
13	1859 60	6,476 0 9	4,019 14 7	10,494 15 4	
14	1860 61	6,781 3 11	11,228 0 5	18,009 4 4	
15	1861 62	4,162 13 3	8,455 13 4	12,618 10 7	
16	1862 63	5 927 15 8	3,475 12 8	9,403 12 4	
17	1863 64	12,901 15 5	2,923 0 4	15,821 15 9	
18	1864 65	11,873 6 2	943 6 0	12,816 12 2	
19	1865-66	12 583 2 0	3,708 1 0	16,296 3 0	
20	1866 67 till 31st Dec-1868	13,113 3 4	18,147 2 5	31,265 5 9	

* New Talos Repurs

22 128 17 3
3,86,614 8 9

* List Expenditure of New Talao

No	Name of Purgunnah	Name of Mowzah	Amount	Remain Rs
1	Beawur	Sainspooza	3,435	6 0
2	Do	Kutantakhara	820	10 10
3	Do	Bara Bhao	2,266	0 11
4	Do	Sohawa	5,252	10 6
5	Do	Ahurakhara	1,319	9 1
6	Do	Chilawarha	617	12 0
7	Do	Nase Kulan	3,679	7 11
8	Do	Futtehgarh	136	5 3
9	Todgarh	Burra	920	10 3
10	Ajmere	Kamalan	2,310	7 11
		TOTAL	22,128	13 3

† Profit to 1816-17, as before
and 1865-6, 22 year

9,59,998
35,01,607

Total revenue due to Talao

11,60,612

Deduct cost of repairs during 22 years

3,66,614

Total profit

10,93,998

Original cost up to 1816-17

6,17,563

Cost of new works 1865-69

22,129

6,39,692

600 per cent

600

Deduct remission of revenue in 22 years

95,79,152
3,36,515

Balance profit,

35,01,607

And in addition, Rs 22,128-13 3 was expenditure in the years detailed for construction of new works

IX—Taking the proportion of increased revenue, as shown by Colonel Dixon, for Mhanwarra and Ajmere, at the rate of Rs 30 per cent, for the 11 years we get for the 22 years, from 1847-18 to 1868-69, Rs 600 per cent of profit on outlay, less the expenditure incurred on repairs during that period of Rs 3,66,614-8 6; from this must be deducted remissions of revenue during the same period, to the extent of Rs 3,36,515-6 1 †

This leaves the net profit at Rs 40,93,998, omitting annas and pies

X—As it is thus shewn, these tanks have paid for their construction, repairs, and extension, over and over again, and also bearing in mind that these were made, under very different conditions, from the Department Public Works Constructions since the villagers themselves supplied a large proportion of the capital invested, in that they furnished either unpaid labor or labor below the market rate the Committee are of opinion, the only expenditure that should now be debited against them, is the expenditure incurred upon them, since 1st January 1869 the date of formation of the irrigation Division and that they should therefore, with the exception of those hereafter detailed under class B which have cost Rs 5 000 and upward, be classed under C

And the Committee are further of opinion that for convenience of account these Talao should be placed in categories according to Purgunnah, in which they are situated, viz

Ajmere those of Ajmere Kekrec, Pohkur, Rajguri, Ramsu, and in Mhanwarra, those of Beawur, Chang Jhak, Kotkanna, Saroth, with Todgarh, Bulan and Dewar The accompanying Lists I II and III shew the names, localities and distributions, as above proposed

XI—The accompanying Statement of accounts current shew the

renewals, extensions, and repairs, executed since, 1st January 1869, by the Irrigation Department and expenditure incurred thereon which form the debit side of the Pungunah Revenue Account, to the credit side of which has been brought the revenue for that period. This can only be hypothetical since the Land Revenue and Revenue from Irrigation has hitherto not been kept separate. The only separate Water Rate taken being as stated in page 52, of Settlement Report, 1 Rupee, 12 Annas, and 4 annas, per beegah from Bhoomials and Jagheerdars, per season, for the benefit of irrigation. It appears somewhat arbitrary to accept this as the Water Rate, but until the Government of India decide what proportion of the gross produce on tank-irrigated Lands, is to be credited to land revenue, it is impossible to tell what portion of the maximum which they can pay, may be taken as Water Rate. The Committee quite agree with the opinion, that has been expressed on this subject, by Mr La Touche, the Settlement Officer as follows —

“ Colonel Dixon’s recorded Talabi
 “ rate on the whole of Ajmere, was
 “ Rs 5 per acre. In Mhairwarra, it
 “ was much about the same, for Aj-
 “ mere—Mhairwarra is much larger
 “ than either of the other two divisions
 “ (vide p p 72 and 169 of the Report)
 “ Now, without going into statistics
 “ of gross produce it is I think, proved
 “ by experience, that there is hardly
 “ a village in Mhairwarra in which
 “ the people can pay the present 10
 “ annas for a series of years. It
 “ matters not to them, whether they
 “ pay Rs 5 to Government as Land
 “ Revenue, or pay a proportion of
 “ Rs 5 to Government as Land Reve-
 “ nue, and the remainder as Water
 “ Revenue. The maximum exactable
 “ per acre, is not I believe, more than
 “ Rs 5. On Abee land the revenue
 “ at present paid must be reduced it
 “ it is determined to prevent waste
 “ from the large tanks

"4 Let us assume, however, that
"Rs 5 can be paid for Land Revenue,
"and Water Revenue, united, for a
"term of average years. Bad years
"must be provided for by remissions.
"The question then is how much of
"the Rs 5 should be credited to Land
"Revenue, and how much to Water
"Rate?"

"5 Mr Saunders in the 12th para
"of his Memo on Jaler Tank sets out
"with the postulate that the Land
"Revenue should be $\frac{1}{4}$ th of the gross
"produce, and in his 17th paragraph,
"estimates this share in the case of
"wheat, at Rs 3-14-3 per acre—sup-
"pose that further experiments show
"that $\frac{1}{4}$ th of the average gross produce
"of all crops, irrigated by tanks,
"comes to Rs 3-8 an acre—Govern-
"ment then can as a maximum, take
"Rs 1-8 per acre as the price of its
"water by right of its expenditure of
"capital, and as its seigniorage

"6 If the state takes $\frac{1}{4}$ th as Land
"Revenue, it follows that it would
"not pay a private Capitalist or Com-
"pany to construct tanks, for he
"would only get about Rs 2 per cent,
"on his outlay. It only pays the
"State to do so, because it gets an
"increase in its Land Revenue

"7 The question then is how these
"Rs 5 are to be distributed under the
"heads of Land Revenue, and Water
"Revenue. On the one hand, the
"Land without the water would at
"most, yield only a Baranee crop,
"and on the other hand, the water
"without the land, would yield noth-
"ing. Both are necessary factors in
"the result, and under one aspect,
"the enquiry resembles the proverbial
"one, of which of the factors, 2 and
"3, contribute most to the result 6

"8 The value of the Baranee
"crop may be taken as the equivalent
"of the Land Revenue, or there may
"be some arbitrary distribution made.
"Colonel Dixon's deduced rate on
"Baranee land, he puts down at Re 1

*Memo by Commissioner on paras 5
& 6 of Settlement Officer's remarks*

$\frac{1}{4}$ of the gross produce is due to
Land Revenue whether grown on irri-
gated or unirrigated land, and I have
never said that only Rs 1-8 could be
collected for irrigation as a maxi-
mum

In my Memo on the Jaler Project
I only showed that Rs 5 could easily
be collected, and that therefore the
Project would pay, but I, by no
means, spoke of that sum as the limit
to the Government demand, for we can
certainly take whatever it would have
cost the man to raise water from a well
in addition, (something like Rs 7 per
acre) though it will be wiser not to
calculate on more than Rs 1 or Rs 5
for the seigniorage of water, but as
Government builds the works there is
no harm in showing a portion of the $\frac{1}{4}$
produce as due to the building of the
tank, as the crops would not otherwise
be grown, though this could not be
done if a private Company or Capita-
list built the work

We can therefore prove to Govern-
ment that the erection of these works
pay a much larger sum than has
hitherto been allowed to count as inter-
est on the work

L S SAUNDERS,
20th March 1873 *Commissioner*

Note by Commissioner to No XII

The experience of the last Settlement has not been correctly applied by the Committee that the rates spoken of were permanent, when the water was obtained on no licence, naturally it was found it could not be paid and we have had to reduce.

We have, however, only proposed to reduce this when water is given, taking off the water advantage rate entirely when we have no water to offer the people, hence this is a security against the Settlement breaking down, and the present impoverishment of the people is no proof that this amount cannot be collected from the area as proposed.

L. S. SAUNDERS

21st May 1873

Commissioner

" per acre, (page 72) This rate is
" perhaps high on Baranee land, all
" round. According to the statistics
" furnished by the Tehsildar, the
" average produce per acre of barley,
" the staple of the District, is
" 2 maunds, the average price current
" is 31 seers, the value of this, per
" acre is Rs 2-9, $\frac{1}{4}$ th of which is 7
" annas

" 9 If Government credits the
" Baranee crop only to Land Revenue
" the tanks may be shown as remun-
" erative. If $\frac{1}{4}$ th of the produce be
" credited to Land Revenue, they will
" certainly appear as having been
" constructed at a loss. The water
" rate is not more expensible than
" the Land Revenue Assessment, and
" what is added to one must be taken
" from the other."

XII—Looking at the arguments adduced above, in connection with the Commissioner, Mr Saunders, arguments, regarding Jalea Tank, it may safely be asserted that Rs 5 is the average amount payable by Talabee lands. The Commissioner, Mr Saunders, in his 12th para states $\frac{1}{4}$ th of the gross produce is due to the Government as Land Revenue Proper, and to this he would add the price of water retailed by Government and the Seigniorage on the water. But as the land without water, would be only Baranee, $\frac{1}{4}$ th of the produce would represent the Government demand for Land Revenue on Baranee Lands, this may be calculated at an average of 6 annas per beegah, or about Re 1 per acre, to which must be added the retail price of water, and the Government seigniorage. In para 17, Commissioner works out his calculation, the result he shews gives $\frac{1}{4}$ th of the produce to Government Demand, viz Rs 3-11-3, and the balance of the Rs 5 viz Rs 1-1-9, to water and seigniorage, but states this is only the return on one crop, and there from proceeds to draw a conclusion, that there is a sufficient margin, by raising the price of water, to

show that Rs 5 per acre will always be due to irrigation, this would raise the total per acre to Rs 8-14-3, an amount, shewn by the experience of the last Settlement of 20 years, which cannot be paid even in average years. The highest rate for Talabee land being in the Purgunnahs, as per margin* and the assessment of the past Settlement has been found so high, that a reduction of Rs 30 per sent has already been made by a Summary Settlement, and there is little hope of this reduction being recouped by the Regular Settlement

* Beawur	7	0	0	highest
	4	0	0	average
Bailan,	10	0	0	highest
	6	0	0	average
Saroth,	8	0	0	highest
	6	0	0	average
Dewar,	10	0	0	highest
	5	0	0	average
Todgarh	8	0	0	highest
	6	0	0	average

XIII—The Commissioner's estimate was it is true only for one crop, but it must be remembered that two crops cannot be raised without a large quantity of manure, and of this there is in consequence of the habit of grazing cattle on the hills a very limited quantity

XIV—It will, therefore be safe to calculate that as without irrigation the Government rental would only be paid on Baranee Lands, any increase over that rental in consequence of irrigation, should be credited to the irrigation itself, and with the view of enabling the Revenue Account to be at once opened, the Committee suggest that the rate per acre for Talabi lands, be assumed at Rs 5 of which 1 per acre be credited to land Revenue Proper, and Rs 4 to the value of the water. With reference to the Abce lands, or lands culturable in the bed of tanks, as they become culturable only when the water is drawn off and the cultivation is precarious, though the average rate at the last Settlement was Rs 2 per acre, the Committee do not consider that more than Rs 1 should be credited for the benefit of water. These rates would give an annual income of Rs 90,672 to the credit of the old tanks in Ajmere and Merwara from 1869-70. A balance sheet is attached as referred to in para. 11 showing the revenue and expenditure, as per above calculation, and actual amount, since 1st January 1869. And in the ensuing

* Talabee		Acre
Ramgur		1,865
Kekree		216
Rajgurh		2,503
Ajmere		811
Beawur		6,727
Bhak		173
Bhulan		679
Saroth		568
Todgarh		1,291
Dewar		105
Kothkerrans		125
Chang		64
Total Rs		15,370
		x 4
Total water rate on Talabee		77,180
		Acre
Ramgur		2,567
Kekree		183
Rajgurh		1,746
Ajmere		2,018
Pohkur		918
Beawur		5,577
Bhak		500
Bhulan		673
Saroth		991
Todgarh		927
Dewar		151
Kothkerrans		75
Chang		292
Total		17,192
		x 4
Total water rate on Talabee		17,192

Settlement, the Committee consider that it will not be impracticable to separate those of the smaller old tanks, in the District, which are formed of earth, from the larger projects and those constructed of masonry, in order that the former may be classified in D as agricultural, for which no Capital and Revenue Account is kept, the latter being left in class C

XV — Having thus disposed of the existing tanks, the Committee consider the subject of the new projects, which from their character cannot be included under C or D. The following would come under class A as being constructed from Loans

Bheer	}	The estimated cost being over one lakh each
Ialea		

Under class B re-constructions, repairs, referred to in para 10 of this report

Balah Charhut	}	Costing over 5,000 each
Bulad		
Footail		
Anneer		
Anneer Canal		
Makurwallee		

XVI — Under these circumstances the New Constructions and Extensions under A & B would shew only the Water Revenue due to the increased revenue obtained by their constructions and extensions and form an account entirely separate from that shew in the puigunnah congeries

XVII — The Committee have not taken into calculation in forming the Capital and Revenue Account of Tanks the 1 per cent, cess, levied at the last Settlement by Colonel Dixon, for the repairs of tanks Vide Settler's Report, and Government Order, No 1255, dated 25th April 1850, as it is probable the amount so collected may be modified at the approaching Settlement

No 154, dated Ajmere, the 24th April 1871

From—J DIGGLES LA TOUCHE Esq Settlement Officer Ajmere
To—L S SAUNDERS, Esq, Commissioner, Ajmere

SIR,

Now that the assessment of the whole district has been reported, it seems proper that I should place on record, and explain the system on which the tanks have been assessed and the water Revenue levied, for the Government of India, in letter No 52R, dated 9th March, expressed a fear that the proposed assessment of talabee land was too heavy, and this letter you forwarded to me for any remarks or explanation I might have to make

2 The rates originally proposed for talabee land were rates which I believed fully irrigated talabee land should pay I knew at the time that much land was not fully irrigated in fact that very few tanks held water sufficient to give any irrigation to the Rubbee, but until the areas had been obtained and the villages could be inspected with the map I was content to leave the subject alone

3. The first Tehseel assessed was Beawur, and in Beawur the Beawur circle I took up this circle first because there are tanks of all descriptions here, and the great majority of the large tanks are in this circle I soon found, that it was quite impossible to retain the same water-rate all through, and I formed the tanks into five classes

First—Tanks which when full irrigate both harvests The beds of these tanks are submerged and unassessed My rate for these was Rs 5 an acre, of which 10 annas is soil Revenue Rs 1 6 water Revenue In the good villages I charged a rate for manured land which brought the soil Revenue up to 15 annas

Second—Tanks which irrigate the rubbee once, perhaps twice, but insufficiently The beds are generally sown, but late in the season and the crops in the bed is poor My rates for these were

	Water Ret	Soil Ret
Rs 5 { Talabee Rs 3 12 0, of which Rs 2 15 6, annas 0 12 6		
{ Abee " 1 4 0,		

Third—Tanks containing water sufficient to give a sowing-watering for the rubbee but no irrigation The beds of these tanks emerge in good time, and the water has been sufficiently long on them to penetrate and moisten the soil These were assessed as follows

	Water Ret	Soil Ret
Rs 4-11 { Talabee Rs 2 13 0, of which Rs 2 0 6, annas 0 12 6		
{ Abee " 1 14 0, of which Rs 0 15 0,		0 15 0

Fourth —Tanks which only give a watering for rubbee sowings when the rains are so favorable, that there is little or no water expended in khureef irrigation, but which fully irrigate khureef. My rates for these and they are the majority, were

		Water Re			Soil Re			
		Rs.	A	P	Rs.	A	P	
Rs. 4-1	{ Talabce	2	3	0, of which	1	9	0,	
	{ Abce	1	14	0, of which	0	15	0,	
						0	10	0
						0	15	0

Fifth —Tanks which never have any water for rubbee sowings and do not fully irrigate khureef when much water is required. The water does not remain long enough on the beds thoroughly to penetrate, and moisten the soil. The rates for these were

		Water Re			Soil Re		
		Rs	A	P	Rs	A	P
Rs 3-12	{ Talabce	1	9	0, of which	1	1	6,
	{ Abce	1	4	0, of which	0	10	0
						0	7
						0	10

1. These rates are average rates for the different classes of tanks. The distinction is clear enough, however difficult it may be in practice accurately to gauge the capacity of a tank. I do not suppose that my classification was perfectly accurate, but I visited every tank myself at a time when all the small tanks had dried up, and though I was guided by rates, I did not adopt them in every instance. In Todgurn and Ajmere, also, I found that the rates proposed could only be taken where the land was fully irrigated, and I reduced them accordingly. The actual rate of assessment in Ajmere was as follows in each circle

	Circle rate			Actual rate		
	Rs	A	P	Rs	A	P
Ramsur	4	3	0	4	3	0
Rajgurih	5	4	0	3	12	9
Gungwana	5	4	0	2	14	5
Ajmere	5	4	0	3	12	3
Pushkur	5	4	0	3	1	4

The reasons of this decrease are explained in my No 153 of this days date

5. There are 14 tanks in Beawur Tehseel, which fall within the first class. They give water to 41 villages, and there is land belonging to 44 villages submerged in their beds. The Water Revenue in these large tanks has been assessed differently, from the Water Revenue of tanks which fall within the other four classes. The villages which get water from the large tanks have been assessed at so much plus a lump sum for Water Revenue. The other villages have been assessed at so much including Water Revenue. In other words, the water Revenue of the smaller tanks, though recorded for each village, and for each holding is included in the annual payment to be made by each holding. The water Revenue of the larger tanks is not included in the khewat or record of responsibility, and will be distributed each year over the land actually irrigated.

6 When the water Revenue has to be distributed yearly it is necessary to examine and accurately test the area irrigated each year. It seemed impossible to test the area irrigated under each little tank every year, most of them do fill unless in a year of entire drought. The water Revenue was therefore included in the amount of revenue to be paid by each holder of Talabee land, but if there should arise a necessity for remission the sum charged as water revenue will be found recorded opposite each mans holding, and the rate is recorded in the village Note Books. The Deputy Commissioner can at all times if he considers it advisable that any tank should be yearly inspected, procure sanction for the water Revenue to be paid by the rules for the large tanks and exclude it from the khewut

7 It is unnecessary to re-count all the alternative schemes proposed for the collection of the water Revenue. The scheme adopted has been adopted after many discussions and much thought. It has had the benefit of your criticisms and corrections, and seems to be the most practical which can be proposed. There are two chief objects to keep in view to provide so, that those only who get water should pay for it, and to supply the Headmen and Zemindars with some motive to prevent any one of their number from defrauding Government.

8 An example will render clearer than mere words, the plan upon which these villages have been assessed, and I take Dilwara in Beawar circle, a village in which there is no well land. Here there were 244 acres measured as talabee. Colonel Dixon measured 289 acres, but a good deal has become *oosuns*, I assessed the talabee on the soil aspect at 0-15-2 per acre, including manured land. Adding the assessment on *Bairanee* land, the soil jumma of the village is Rs 349, and this amount is distributed in the *khewut* over the holdings. To this is added a water Revenue of Rs 1,068 found in this case by multiplying 244 acres by Rs 4-6 as the area, the rate and the resulting assessment seemed fair and reasonable. Where, I had reason to believe, that the tank was ordinarily capable of irrigating a larger amount than that measured, I assessed the water Revenue on such larger amount.

9 This sum of Rs 1,068 is the assessed water Revenue of the village. A clause was inserted in the engagement, providing that this lump sum should be paid as Water Revenue, except when its incidence on the irrigated area exceeded a certain maximum (in this case Rs 5), and that when the incidence exceeded Rs 5 per acre, the area actually irrigated should be assessed at Rs 5, and the balance remitted. On the other hand it was provided that whenever by extension of irrigation the incidence of the water Revenue falls below a certain minimum, (in this case Rs 3-12-0), the area actually irrigated shall be assessed at Rs 3-12-0, and the excess water Revenue credited to Government. Thus supposing that in Dilwara in any year only 100 acres were irrigated, the incidence of the assessed water Revenue would be Rs 10-10-0, the actually irrigated area would be assessed at Rs 5, and the

balance Rs 568 would be remitted. On the other hand, if in any year 300 acres were irrigated the incidence would be Rs 3-8-0, the actually irrigated area would be assessed at Rs. 3-12-0, and there would be a gain to Government of Rs. 57. As long as the irrigated area fluctuates between 213 and 299 acres, the assessed water Revenue must be paid, and those who get water must make good the Revenue by a rate on their irrigated lands.

10 By this scheme those only who get water pay for it, and in all ordinary years, it is the interest of every man in the village, that all fields which have been irrigated should be brought into the irrigated area, for it lightens his own assessment. When water is scarce those who get it pay a little more for it, and it may be presumed that they can make larger profits in such years. The incidence of the water Revenue shows pressure at once, and when the rate begins to press, as I think it does at Rs 5, the pressure is relieved. During all ordinary years there would be neither remission nor enhancement. A few acres more or less would make no difference, and under none of the tanks can the irrigated area be much increased. Within the minimum the people have individually an incentive to economise the water and spread it over more fields for their revenue will be lightened thereby.

11 No scheme can be perfectly self acting and the chief difficulty in the details is the definition of what is an "irrigated acre." Is it an acre that is irrigated for khureef only or that receives one or how many waterings for rubbee, or that is fully irrigated for both harvests?

12 The khureef harvest can always practically get as much water as it wants, and if the rains are favourable hardly requires any irrigation at all. The tank, however, is there, to insure perfection in the crop, and if the crop is brought to perfection, it should pay irrigated rates whether only one or even no watering is actually taken. A crop of maize or cotton if brought to perfection is no less valuable to the cultivator than a crop of barley, and should pay at least the minimum rate. In years of heavy rain, however, the maize in this District, for the tank lands are always low, is drowned. It is ploughed up before it ripens, and a rubbee crop sown in its place. Such a crop should pay no water Revenue.

13 The necessity of counting the waterings for the rubbee, seems unavoidable in all cases where there is no water in the tank by the 15th February. If there is water in the tank at that date it may be assumed, that all irrigated land has been fully irrigated. Three waterings, besides the watering for sowing are necessary, and one watering should be charged at 1/3rd, two waterings at 2/3rd, and three waterings at full water rate.

14 If there were no land giving two crops it would be easy to find the irrigated area, but there is always a good deal of such land under the large tanks. It is generally manured, though sometimes the people continue for a time to take two crops off unmanured land. This is the cause of the

exhaustion of the soil in Gohana, Surhena and other villages Land giving two crops, I would charge at $1\frac{1}{2}$ water rate.

15 To take again the concrete instance of Dilwara Here there were measured 42 acres of manured land and 100 of *dofushi* In most villages the manured and *dofushi* areas are more nearly coincident, and the *dofushi* area is so large in Dilwara, owing to the fact, that in the previous year the tank had not filled and nearly all the Talabee was lying fallow Supposing then that the rains were not too heavy to destroy the maize, and that the Rubbee got full water, i.e., that there was water in the tank by the 15th February, the calculation would be as follows —

Maize and Cotton 100 Acres at Rs 3-12-0, Rs 375 to be paid by those who got water with the khureef Instalment

Rubbee crops 244 Acres, of which 100 acres *dofushi* would pay half-rate = 194 Acres, on this area the assessed water Revenue is Rs 693 (deducting 375 already paid) from 1068

The incidence falls below Rs 3-12-0 the whole would therefore be charged at Rs 3-12-0, and would pay Rs 727-8-0, being an increase on the assessed water Revenue of Rs 37-8-0 for that year

16 The land submerged in the tanks has been left unassessed, but a clause has been inserted in the engagement, providing, that it shall be optional to the Deputy Commissioner to levy Revenue at a fixed rate of Rs 1-14-0 an acre on land which shall have emerged and become cultivated in any year in which any remission is allowed from the assessed water Revenue

17 In Ajmere there are only 5 tanks excluding the Anr Sagur, which irrigate both harvests They are Ramsur, Neeran, Rata Khern Dubrela, Srinuggur None of the other tanks irrigate the Rubbee, some give one watering I have assessed them nearly all, however, on the Dilwara principle, and a list of them with the rates is given in my No 153 of this date In these tanks an irrigated acre shall mean an acre on which the khureef crop is brought to perfection; if the maize is drowned by heavy rains, one-half the water Revenue should be remitted, for in such a case Rubbee is always sown, and as the water has not been used there will be water in the tanks. In a few cases it may be necessary to count the waterings for the Rubbee, and this the Deputy Commissioner will easily discover in practice

18 The Headmen and Putwarees must be intrusted in the first instance, with the preparation of the list of irrigated fields, but to work the scheme at all satisfactorily, very careful and intelligent supervision is required. Each Putwaree should prepare yearly a tracing of the village map, showing the irrigated fields in colours, and this could be tested by the District Officers on their cold weather tours I have long felt, however, that the great want of this District, is of some Officer upon whose local inquiries in Revenue matters

the Deputy Commissioner could place confidence. This Officer should perform the duties now neglected by the incompetent Sudder Canoongo, should visit and report on tank dams, should test the irrigated areas make local inquiries on applications for advances and see that the Putwarees papers are properly kept up. The Deputy Commissioner has too many calls on his attention personally to look into all these matters. The Judicial Assistant Commissioner is tied to his Court and the Extra Assistant Commissioner is tied to the Treasury. What is wanted, is, an Officer who shall have no Office Work, for of all Districts in India, this District on the watershed of the continent is the one, where most demands continuous and intelligent local investigation. The Putwarees Chakles in the District have been reduced to manageable compass, and it is proposed to simplify the Putwarees papers considerably. Without such an officer as I have proposed, I feel sure, that the system of tank assessment will break down without a trial.

19 To the duties above mentioned might be added those of Manager of the Wards Estates. There will probably always be some Estates of the Istumriddars, where the Istumriddar is a minor, and these duties will give ample employment all the year round to one man. Opinions may differ however, as to what grade in the service such an Officer should belong, whether he should be of the grade of a Tehsildar or of a Deputy Collector. If the duties of Manager of the Wards Estates are added, I believe, an officer of the rank of Deputy Collector should be appointed, and for this post I know no person better suited than Mr. Maharaj Kishin, the Extra Assistant Commissioner of Settlement. He has a thorough knowledge of all the details of his work and yet can think out a principle for himself. He has been in the District now for 2½ years and has an intimate knowledge of all that has been done in the Settlement. He has worked continuously and well, and Major Repton I know thinks highly of him as well as myself.

20 If Government, however, will not sanction the appointment of a Deputy Collector. I would earnestly recommend that Ramnath, Superintendent of Beawur, be appointed with the grade of Tehseeldar. He might retain his present title of Superintendent. His present pay is Rs 150 a month, and this with travelling allowance would not entail a heavy charge on Government. Without prejudice to Punnar Lal, Superintendent and Tehseeldar of Todgarh, who has done excellent work, I can safely say that Ramnath is the best Superintendent I have. He is of very active habits and has gained the respect and confidence of the people of Beawur. His experience, however, has been confined to one Tehseel, and it is a matter for consideration whether such an appointment might not cause complications between him and the Tehsildars. On the other hand it may seem an advantage that *roobacars* be dispensed with, and that such an Officer as I have described should correspond with the Deputy Commissioner in the same form as Tehseeldars use

On this point your opinion and that of the Deputy Commissioner will probably determine the decision of Government

21 To give the water rate scheme a fair trial, and to prevent the Revenue Administration of the District falling into confusion, I earnestly hope, that Government will sanction either one of the posts which I have proposed. The sanction should be for at least three or four years, otherwise much of the money which has been expended in this Settlement will have been expended to no purpose

I have the honor to be

Sir,

Your most obedient Servant

J DIGGES LA TOUCHE,

Settlement Officer, Ajmere

No 1334 of 1874

Copy to Deputy Commissioner, for information with the request, that he will give his opinion on the subject generally, and on the proposal made by Settlement Officer, for the appointment of an Official to superintend the collection of water Revenue, and also state in which grade he would propose to appoint him

LESLIE S SAUNDERS

Commissioner, Ajmere

The 2nd May, 1874

No 372, Dated Ajmere, the 16th May 1874

From—Major H M REEVE, Deputy Commissioner, Ajmere

To—L S SAUNDERS, Esq, Commissioner, Ajmere

Sir,

With reference to your No 1334 of 2nd instant, and Settlement Officer's No 154 of 24th ultimo It seems that Mr LaTouche proposes to classify the Tulaos per acre into 5 grades, according to their capabilities of irrigating Talabee and Abce beds

Ajmere Tanks and their Assessment

	Soil Revenue	Water Revenue	Total	Grand Total Revenue
	Rs A P	Rs A P	Rs A P	Rs A P,
A 1 Those irrigating both harvests The beds being submerged are un- assessed Talabee	0 10 0	4 6 0	5 0 0	5 0 0
A 2 Manured Lands Tulabee	0 15 0	4 6 0	5 5 0	5 5 0
B Those partially and unsufficiently irrigating the Rubbee, the beds being generally sown late in the season and crops poor Talabee	0 12 6	2 15 6	3 12 0	
Abce	0 0 0	1 4 0	1 4 0	5 0 0
C Those affording a sowing watering for Rubbee but no subsequent irrigation The bed sown in good time and crops fair Talabee	0 12 6	2 0 6	2 13 0	
Abce	0 15 0	0 15 0	1 14 0	4 11 0
D Those affording a sowing watering for Rubbee, only, when rains are good and little water is expended in khureef irrigation, but fully irrigating khureef The Majority of Tanks being in this grade Beds sown and crops good Talabee	0 10 0	1 9 0	2 3 0	
Abce	0 15 0	0 15 0	1 14 0	4 1 0
E Those which have no water for Rubbee sowing and do not fully irrigate khureef The beds being only partially moistured Talabee	0 7 6	1 1 6	1 9 0	
Abce	0 10 0	0 10 0	1 4 0	2 13 0

and he proposes to take the full rates yearly, from that in grade A 1 and A 2, in a lump sum plus soil rates, the incidence of the water rate being yearly distributed over the area actually irrigated

2 In the other grades, the water rate is included in the demand, though the rate for each holding is separately recorded

3 The object in view being that those who get water only should pay for it, and with this object when the incidence of the water rate per acre exceeds the maximum in the case of grade A, the difference between the maximum and the amount required to make up the lump sum is remitted, and when the incidence of the water rate per acre is less than the minimum, in the case of grade A, the rate per acre should be not less than the minimum

Thus providing for increase and decrease of irrigation

4 In Para 11 The Settlement Officer puts the question, "what is an "irrigated acie," and in para 17, considers in grade A, it is an acre on which the khureef is brought to perfection It would seem that an acre irrigated in the khureef is as much an irrigated acie, as an acre irrigated in the Rubbee, and if so, that the water rates should be calculated per harvest instead of per annum, if such were the case the exception suggested in the last part of para 12 would not apply if he means the Rubbee crop, but would apply to the khureef

5 It appears, however, from Para 13, that the rates are divisible again according to the number of waterings given, thus as in the case of Dilwarra, the water rate is fixed at a lump sum of Rs 1,068. The maximum per acre, for 3 waterings being Rs 5, the minimum being for 1 watering Rs 3-12-0, whereas $\frac{1}{3}$ is Rs 1-10-8 and $\frac{2}{3}$ for 2 waterings would be Rs 3-5 4 But Rs 3-12-0 would have to be paid, I confess, I do not understand this part of Mr. LaTouche's proposal

6 In Para 14, he proposes to charge land giving two crops with 1½ water rate Thus take Dilwarra the soil rate for manured land which gives two crops is 15 annas or 1½ the soil rate, which is 10 annas for grade A. The water rate being Rs 4-6-0, for the two crops it would be Rs. 6-9-0, but this being more than Rs 5-0-0 the maximum water rate, Rs. 1-9-0 would be remitted This plan, therefore, I do not understand, either 5 is the highest water rate or Rs 6-9-0 is the highest rate

7 I do not follow Mr LaLouche in his calculation in Para 15 He says 100 acres of khureef irrigation would pay at the minimum rate of Rs 3-12 0, Rs 375-0-0 granted

8 The rubbee irrigation of 244 acres would have to pay according to previous proposal, Rs 1,068 less 375 of khureef, equal Rs 693 plus, half rates for 100 acres, Rs 187-8-0 equal Rs 880-8-0, making the total water rate Rs. $\frac{1,255\ 8\ 0}{244}$ or Rs 5-2-3 per acre for the year But as Rs 5 is the maximum rate for an acre, the total water rate cannot be more than $244 \times 5 = \text{Rs } 1,220$ in any one year, Mr LaTouche calculates that 100 acres of khureef pays at the minimum rate of Rs 3-12-0, Rs 375 that 144 acres of rubbee and the 100 acres of khureef cultivated for rubbee, pays the difference between Rs 375 and Rs 1,068 or Rs 693 thus

114 acres @ 3-12-0	=540-0-0 *
100 do @ 1-14-0	=187-8-0
Total,	<u>727-8-0</u>
Deduct,	<u>693-0-0</u>
Difference,	<u>34-8-0</u>

Instead of Rs 37-8-0 as stated by Mr LaTouche, and if the 100 acres of *Dofuslee* lands pay 1½ times the minimum rate: i.e Rs 3-12-0 + 1-14-0 Total Rs 5-10-0, the total water rate per acre would be for the 100 acres, 10 annas in

excess of the maximum and the excess of Rs 62-8-0 would have to be deducted from the amount payable by the owners of the 100 acres, this would, however, reduce the lump sum for irrigation after allowing for the supposed increase of Rs 34 8-0 to a deficit of Rs 28, which would have to be met by the owners of the remaining 144 acres

9 With regard to para 16, which refers to other grades than A 1, A 2 I find that for grade B and C the Abee cultivation is charged 15 annas soil, and 15 annas water rate, total Rs 1-14-0, but grade D 10 annas soil, and 10 annas water rate, total Rs 1-4-0

10 I quite agree with Mr La Touche, that a Special Officer is required for some years to train the Head men of villages, and the Putwarees in distributing the water rate, as the system is complicated, and it will take time and practise to make the people comprehend it, the success of the system will depend on the manner it is worked in the first four or five years of the Settlement But I do not see how the Special Officer can perform the duties of the Sudder Canoongoe as Superintendent of village Accountants. Since Settlement operations have commenced, the Sudder Canoongo's duties have diminished, as now Accounts are rendered to the Settlement Department, and he has not been transferred to the Settlement Department The appointment of Sudder Canoongoe is a permanent one, whereas that of the Special Officer to look after the water rates will be temporary He might certainly with advantage be Manager of the Wards Estates, and his salary might be fixed by a per-centage on the water rate collected, and on the Income of the Wards Estate under his charge, and eventually as the system of water rate is properly understood, he could hand over this part of his duties to the ordinary Tehseel Establishment The position of this Special Officer should not be higher than that of a Tehseeldar It is true an officer has been reduced in the Establishment of this District If another is appointed to the District, he should be a European Officer who can take up cases against Europeans, which now, that the State Railway will be opened in a few months may be expected to increase

11 The appointment of Pundit Mahraj Kishen as a Tehseeldar would not of course do, and as two of the Assistants are men from the Punjab it would not be desirable to have another from that province for some years, and though, I quite agree with the Settlement Officer in thinking most highly of Maharaj Kishen, he would be shelved in such a post as that which it is proposed to create

12 The appointment of Ram Nath, Superintendent of Settlement Beawun, would be far preferable and pecuniarily advantageous, his salary being less than that of an Extra Assistant Commissioner, and I consider Ram Nath well fitted for such an appointment, and that he fully deserves the favorable opinion Mr La Touche entertains of him, and would gladly see him appointed

his experience of the Beawur Tehseel circle is of the greatest importance as the Majority of Talaoa lie therein. Having once mastered the rules prescribed for distributing the water rate, and having taught the Putwarees those rules, there would be no difficulty in applying them to any Tehseel Circle. The appointment should be for 5 years, and if a regular salary is preferred to a percentage on the water rate, I should say, it ought not to be less than Rs 100 without travelling allowance, and if Ram Nath's services were available as Manager of the Wards, Estates, &c, he would have another hundred rupees for that duty, and eventually, I anticipate, he would have charge of several Estates of Istimrardars who have been relieved under Regulation II of 1872.

13 His title might be that of Superintendent of Tanks. He should perform the following duties

- 1 Distribute the water rate over holdings irrigated
- 2 Assess cultivation in beds of Tanks
- 3 Calculate what remissions are necessary
- 4 Report on condition of Tanks, and if necessary estimate repairs, and see that the repairs are executed

5 He should be attached to the Sudder, and would receive his orders direct from, and report direct to the Deputy Commissioner.

6 He would have to prepare Statements for each Tehseel Circle of the areas irrigated, and the water rate collected for each Tank for each harvest, and this would afford the means of giving Government the information required, which could not, however, be furnished up to date for want of information.

I have the honor to be,

Sir,

Your most Obedient Servant

H M REPTON, Major,
Deputy Commissioner, Ajmere.

No 1260, Dated Nussacerabad, the 8th Mar 1874

From—The Superintendent of Works, Ajmere and Mhairwarra

To—The Commissioner, Ajmere and Mhairwarra

SIR,

Under the system which I understand is being adopted in the present Settlement, I am afraid some difficult points may arise with reference to extensions of existing tanks

2 I instance the Dubrela tank Mr Culcheth informs me, that the water rate has been fixed at 1 rupees per acre for ordinary year, and in order to avoid any important fluctuations in the total revenue, it is proposed, that when the water may be less, the rate shall be raised proportionately to a maximum limit of Rs 4-12-0 per acre, and on the contrary, when the supply may be in excess, that the rate shall be reduced in the same manner to a minimum limit of Rs. 3-4-0 per acre

3 In the estimate for the repair and extension of this tank, provision has been made for doubling the former storage, and it was reasonably anticipated that revenue would in consequence be doubled, but unless some especial proviso be made, this will not be the case

4 Unless this be done with reference to all extensions, I do not see how they can be carried out, and since as a rule, an extension would be a more paying concern than the construction of a new work, I have the honor to bring the subject to your notice, as appearing well worthy of consideration

I have the honor to be,

Su,

Your most Obedient Servant

J M WILLIAMS, *Lieut-Col*

Superintendent of Works, Ajmere and Mhairwarra

No 126S, dated Nussערabad, the 8th May 1874

From—The Superintendent of Works, Ajmere and Mhairwarra

To—The Commissioner, Ajmere and Mhairwarra

Has the honor to bring to his notice, that the Amnere dam which has been completed comes under class B, of which a separate expenditure and revenue account is kept, and to enquire what revenue is likely to be shown as realized

2 The Commissioner is probably aware, that there is no direct irrigation by ducts from this tank, but the re-construction of this tank was urgently called for by the Civil Authorities, in order that the wells might be supplied

3 Works of this nature are doubtless of great value in lower Mhairwarra, but unless they can be shown to realize revenue, it is to be feared, that considerable difficulty will be found to exist in obtaining funds for their construction

J M WILLIAMS, *Lieut-Col*,

Superintendent of Works, Ajmere and Mhairwarra,

PREPARATORY LIST OF TANKS IN AJMERE AND MHAIRWARA SHOWING THE ORIGINAL COST OF EACH TANK SO FAR AS IS KNOWN.

WHERE THE COST IS NOT ASCERTAINABLE THE ENTRY HAS BEEN LEFT BLANK.

In order to ascertain the original cost of a Tank requires to be
ascertained the original cost of the Tank should be ascertained and should be notified to
the Officer in charge of the Tank.

No.	Name of Tank	Original Cost	Date of Construction	Remarks
1	Ajmere	2,000	1868	Water Tank for the Ajmere
2	Ajmere	2,000	1868	Water Tank for the Ajmere
3	Ajmere	4,076	1868	Water Tank for the Ajmere
4	Ajmere	601	1868	Water Tank for the Ajmere
5	Ajmere	10,811	1868	Water Tank for the Ajmere
6	Ajmere	15,073	1868	Water Tank for the Ajmere
7	Ajmere	1,603	1868	Water Tank for the Ajmere
8	Ajmere	6,313	1868	Water Tank for the Ajmere
9	Ajmere	1,817	1868	Water Tank for the Ajmere
10	Ajmere	7,213	1868	Water Tank for the Ajmere
11	Ajmere	6,175	1868	Water Tank for the Ajmere
12	Ajmere	12,563	1868	Water Tank for the Ajmere
13	Ajmere	6,325	1868	Water Tank for the Ajmere
14	Ajmere	2,865	1868	Water Tank for the Ajmere
15	Ajmere	4,919	1868	Water Tank for the Ajmere
16	Ajmere	410	1868	Water Tank for the Ajmere
17	Ajmere	4,921	1868	Water Tank for the Ajmere
18	Ajmere	4,271	1868	Water Tank for the Ajmere
19	Ajmere	3,310	1868	Water Tank for the Ajmere
20	Ajmere	3,310	1868	Water Tank for the Ajmere
21	Ajmere	3,310	1868	Water Tank for the Ajmere

A natural or artificial Tank
but entered in the list of Settlement Officer

Preparatory List of Tanks in Ajmere and Mhairwarra.

Number	Name of Tehseel	Name of Circle	Name of Village	Name of Tank	Years in which constructed	Original Cost so far as is known	REMARKS
22	AJMERE	Gungwana	Chaurasiawas	Chaurasiawas	As mentioned in No 1	Rs	
23		Ajmere	Ajmere	Ana Saugar		10,753	Constructed long previous to British Rule. Supplies town of Ajmere with water, added to and income increased by Colonel Dixon. Income belongs to Municipal Committee
24			"	Besulja			The original Tank of Ajmere built by Besuldeo. Benefits Wells only
25			"	Chillabebee		10,722	Irrigates Government garden bed is seldom cultivated
26			Snadhua	Sarkari Talao		3,525	Benefits Wells only
27			"	Sultaniya		1,512	
28			Sheopoor	Sheopoorawala			Tank useless as an irrigation work owing to unsoundness or other causes. Expenditure included in that of No 26
29			Makrera	Makrerawala		1,613	Benefits Wells only
30			"	Rupput		2,092	Benefits Wells only
31		Rajgurh	Bhawanta	Surkari Talao		5,230	Broken.
32		"	Nariawas	Guontall Kucha		781	Broken
33		"	Nagelao	Phul Saugar		14,512	
34		"	"	Dand			Expenditure included in that of No 33
35		"	Alipoora	Alipoora		2,383	
36		"	Gola	Dohwala		6,242	
37		"	"	Jharoka		4,236	
38		Ajmere	Jethana	Shamla		1,280	
39		"	"	Dedolai		2,171	Tank useless as an irrigation work owing to unsoundness or other causes
40		"	"	Gugra		1,971	Do Do Do Do
41		"	"	Modi		317	Do Do Do Do
42		"	Dowlat kherr	Dawlat kherawala		999	Do Do Do Do
43		"	Kesurpoora	Kesurpoorawala		3,598	

Preparatory List of Tanks in Ajmere and Mhairwarra.

Number	Name of Tehsil	Name of Circle	Name of Village	Name of Tank	Year in which constructed	Original Cost so far as is known	REMARKS
44	AJMERE	Rajgurun	Brigchiawas	Brigchiawas	As mentioned in No. 1	Rs 19,630	
45			Ansari	Ansari		2,931	
46			Bhimpoor	Sarakwala		7,087	
47			Ditto	Nadi Seryidon		212	Tank useless as an irrigation work owing to unsoundness of construction
48			Nahurpoor	Nahurpoorwala		819	Do Do Do
49			Mayapoor	Mayapoorwala		300	Do Do Do
50			Bithur	Bithur		2,484	
51			Ditto	Rupput Siklasta		129	Broken.
52			Nandla	Barra Talao		2,322	
53			Ditto	Guon ka Talao		1,462	
54			Lackhupoor	Lackhupoorwala			Tank useless as an irrigation work owing to unsoundness of construction
55			Kuklana	Baori wala		1,323	There is only 1 acre irrigable in year of this Tank
56			Tabejee	Bara Talao		2,306	Water Revenue not separately assessed
57		Ajmere	"	Dand			Broken. Expend incurred in construction of Rs 56
58			"	Chota Talao			Do's Ditto
59			"	Nadi Karma		200	Broken.
60			Huttundi	Gaon Pachla		2,659	Tank useless as an irrigation work owing to unsoundness of construction
61		Rajgurun	Bulwunta...	Bulwunta		1,305	
62		"	"	Bhona Nadee		Not known	Ditto Ditto
63		Ramsur.	Jatia	Jatia		4,346	
64			Danta	Danta		3,046	
65			Beer	Beer			A new Tank constructed in 1910 (approx) and now in use. Spent Rs 10,000 on it by P. W. D.
			Gudhie	"			
			Kana Kheri	"			

Preparatory List of Tanks in Ajmere and Mhairwarra.

List of Tanks in Ajmere and Mhairwarra.							
Number	Name of Tehsil	Name of Circle	Name of Village	Name of Tank	Years in which constructed	Original Cost so far as is known	REMARKS
66	Ajmere	Ramsur	Gudhi	Nadi	During the year from 1810 to 1817	Rs 200	Benefits Wells only
67			Simugger	Simaggur			
68			Phurkia includes Bala Sagar and Buiwala.	Phaikia			
69			Tehari	Bheem			
70			Kanpoora	Kanpoora			
71			Hathihata	Hathileeta			
72			Jalaora	Ram Sagar,			
73			Ditto	Naya Talao,			
74			Kanr Kheri	Kanikherika			
75			Ladera	Tal to Ladera			
76	Ajmere	Ramsur	Asapoor	Mission Tank	1863	As mentioned in No 1, 1863 to 1869	5,998
77			Dhal	Dhal			
78			Rajgurih	Ratakhera			
79			"	Durathoc			
80			Sanodh	"			
81			Ramsur	Sanodh			
82			Ramsur	Ramsur			
83			Rughuathpool	Dand			
84			Ramsur	"			
85			Ramsur	Ram Cari			
86	Ajmere	Ramsur	Sanpoda	Keersamund,	Ditto 1811 to 1817	1,776	Broken
87			Suruppoora,	Sanproda			
			Nepoli	Suruppoora			
			Maosa	Nepoliwala,			
			Maosa	Maosa			

Preparatory List of Tanks in Ajmere and Mhairwarra.

Number	Name of Tehsil	Name of Circle	Name of Village	Name of Tank	Years in which constructed	Original Cost so far as is known	REMARKS
88	Ajmer	Ramsur	Maosa	Harkiya	As mentioned in No 1	Rs 712	Broken
89			Luchmipoora	Luchmipoora-wala		5,698	
90			Kesurpoora	Kesurpoora-wala		3,075	
91			Kalyanpoora	Kalyanpoora		2,853	
92			Baheran	Baheran		3,666	
93			"	Anundpoora Talao		441	Broken
94			Dewaha	Dewaha		502	
95			Bural	Bural		4,698	
			Dhigana	"			
96			Sudapoor	Sudapoor		4,174	
97			Chandolai	Chandolai		3,065	
98			Kekai	Kedola			
99			"	Bara Duniya			Benefits Wells only
100			"	Nilwahi Nadi		887	
101			"	Machola		1,900	
102			"	Nahr Nadi			
103			"	Kesholao		1,822	Benefits Wells only
104			Dubrela	Dubrela		5,918	
105			Soelan	Soelan		3,145	
106			Aheran	Aheran		6,597	
107			Bhagwantpoora	Bhagwantpoora		2,861	
108			Hunwuntea	Hunwuntea		3,985	
109			Rampoora	Ruppat	As mentioned in No 20	1,806	Broken
			Ramsur	Shukasta			
110			Jaswantpoora	Purmanund			
111			"	Chouturya			

Preparatory List of Tanks in Ajmere and Mhairwarra.

Number	Name of Tehsil	Name of Circle	Name of Village	Name of Tank	Years in which constructed	Original Cost as far as known	REMARKS
112	AJMER	Ransur	Loharwara	Loharwara-wala	During the year from 1843 to 1848	Rs 10,315	Expenditure included in the No. 111 Benefits Well only Ditto Ditto
113		Rajguh	Darathu	Balajiwala,	1811 to 1817	£3,436	
114			Jagpoora	Jag poora,			
			Dhola Danta	"	During the year from 1812 to 1817	32,077	
115			Chat	Chat			
116			Amur poora	Nearan			
			Bhyron Khe-ra	"			
			Bhugwan poora	"			
			Dhola Danta	"			
		Kabri Chat	"				
	Nearan	"					
Total Tehsil Ajmere,						4,86,795	

Preparatory List of Tanks in Ajmere and Mhairwarra.

Number	Name of District	Name of Circle	Name of Village	Name of Tank	Years in which constructed	Original Cost so far as is known	REMARKS
						Rs.	
117	B A W U R	B A W U R	Suigaon	Naya Talao	1860	106	Water Revenue not separately assessed
118			Do	Sagur	During the year from 1857 to 1878		It is a natural reservoir and water is led by a Channel to Niyasur
			Niyasur	"			
119			Rahman-khera	Rahman Kherawalla		868	
120			Gopalpoor	Phuta Bala			
121			Bhagwan-pooria	Kharabala	1838	3,475	Tank useless as an irrigation work owing to unsoundness of other causes Broken
			Siradhna	Do	"		
			Hurrypoor	Do	"		
122			Beawur	Thal	1833	4,663	
123			Do	Barlan wala or Shumboo-pur wala	1850	1,997	
124			Sarmahian	Sarmahian wala	1839	3,442	
125			Bhawanikhera	Nya Talao Tikiana wala	1840	5,276	
			Tikrana Goojran	Do			
126			Doulutpoor Balahyan	Nya Talao	1841		Expenditure included in that of No 312
127			Rampur Me-watan	Nadi Ram-poor wala		717	
128			Merain	Merain-ka-Talao		1,258	
129			Do	Ruput Shilista			
130			Nundri Madratian	Nadi Shikasta	1855	1,603	Broken
131			Do.	Ruput Nundri	As mentioned in No 118		Benefit wells only Expenditure included in that of No 130 Broken at the time of Settlement
132			Dungar Khara	Dungar wala	1850-51	2,761	

Preparatory List of Tanks in Ajmere and Mhairwarra.

Number	Name of Tehsil	Name of Circle	Name of Village	Name of Tank	Years in which constructed	Original Cost so far as is known	REMARKS
133	B I A W A R	Beawar	Fathghur	Fathghur	As men- tioned in No 118	Rs	These two Tanks are practically one
134			Janhai Khara	Janhar Khara		2,014	
135			Rupnaghar	Rupnaghar		3,883	
136		Chang	Chunra Nimri	Chanrawala	1815	5,479	
137			Do	Nadri		1,750	
138			Jugmalpoor	Jugmalpoor			
139		Chang	Lakhna	Lakhna	As men- tioned in No 118 1853 & 1851	1,180	
140			Pana Baori	Pana Baori		4,137	Broken
141			Do	Pahara-kir- Rupput			
112		Chang	Amrghur ..	Amrghur ..	Ditto		
			Ramghur	Ramghur		150	Broken Wells only Irrigates land in rear
			Chang	Chang		2,735	Land irrigable in rear in Ratn- pur Surdara
143		Beawar	Ratnpur Surdara	Kalaha	As men- tioned in No 115		
		Chang	Do	Do	Ditto		
			Noondri Matratana	Do			
144			Chang	Chang			
145		Beawar	Ratnpur Surdara	Reimalkela	1838	10	Tank nearly as an irrigation work owing to its soundness or other causes
146			Fathpoor 2nd	Chapia		2,195	
147			Do	Rupput Shikasta		1,004	
148		Beawar	Nyanugur	Nayi Nadi	1868 & Co	436	Broken
149			Do	Becharli	As men- tioned in No 118	9,114	The Tank supplies water to the town well, but leaks and does not irrigate any lands
150			Do	Rupput Pal wala	Ditto		Water Revenue not separately assessed
			Guneshpoora	Nalawah	Ditto		
			Rupput Palwarish	Rupput	1833	7,796	
			Govindpoora	"	"		Do Do Do
			Jaha 1st	"	"		
			Tikiana	"	"		
			"	"	"		
			"	"	"		

Preparatory List of Tanks in Ajmere and Mhairwarra.

Number	Name of Tehsil	Name of Circle	Name of Village	Name of Tank	Year in which constructed	Original cost so far as is known	REMARKS
						Rs	
131	BLAWUL	CHANG	Kesurpoora	"	1811	1,910	Benefits Wells only
			Sheonathpoora	"			Benefits Wells only
			Bhojpoora	"			
132			Gobindpoora	Gora Chaura,	1811	1,910	Benefits Wells only
			"	Rupput Jalaki Nadi			Benefits Wells only
133			Tikran	Sirohi		3,937	
			Maudratu	"	As mentioned in No 118		
			Ratnpur Sirdara,	"			
134			Baira Jugga,	Dhouchla	Ditto	5,769	
			Baira Thawan	"			
			Ramsur	"			
135			Balahayan	Bamoriwala	1847	2,280	
			Baneoni	"			
			Jaler 1st	"			
136			Ramawas	Amrpoorwala		1,024	Benefits Wells only
			Amepoor	"			
137			Chitai	Kala Nada		3,166	Tank useless as an irrigation work owing to unsoundness or other causes Broken
138			"	Ram Sagar			
139			Durgawas	Durgawaswala	1841	2,761	
140			Malipura	"	1847	2,773	
			Ramawas	Bichu Chanra			
141			Khujarla	Rupput		56	Benefits Wells only
142			Narbad Khara	Narbaddia			
	BLAWUL		Pertabpur	"	1845	103	Expenditure included in that of No 16.
143			Bhyroon Khara	Rupput Shekasta			Broken
144			Dhola Danta	Rupput Shekasta			
145			Dhola Danta 1st	Ad			
			Ramsur Bnda	"			
			Khadia Khara	"			
146			Kalikankur	Kalikankur		16,350	

Preparatory List of Tanks in Ajmere and Alhairwarra

Number	Name of Tehseel	Name of Circle	Name of Village	Name of Tank	Year in which constructed	Original cost as far as known	Remarks
						Rs.	
			Amrpoor	"		"	
			Dhola Danta	"		"	
			1st	"		"	
			Gazipoor	"		"	
			Kishupora	"		"	
			Lalpoor	"	1911	"	
			Dhanur	"		"	
			Himutpoora	"		"	
			Khera Dand	"		"	
			Rampoor	"		"	
167		B I A W U R	Doda,	"		"	
			Amrpur near	Motiyani	As mentioned in No 116	"	Expenditure included in that of No 166
168			Kalikankur	Dand	"	263	
169			Homutpoor	Rupput	1845	280	The water is supplied from Kali Kankur Tala
170			Byasapa	Sallawala	"	502	
171			Thakawas	Usariya	"	365	Tank useless as an irrigation work owing to unsoundness or other causes
172			Bassay	Bassaywala	1839	2681	
173			Baria Lamba	Laluwala	1847	208	Do Do Do
174			"	Dullahi Rupput	"	"	Do Do Do
175			"	Ganpawala	"	"	Do Do Do
176			Dholra	Rupput	"	"	Do Do Do
177			Baria Ajba	Ojaria	"	1687	
178			Baria Teja	Deokibariwala	"	"	Broken Expenditure included in that of No 177
179			Siliberi	Rupput	"	"	Broken
180			"	Shekasta	"	"	
181			"	Ubranika	"	"	
182			"	Chauri	"	"	
183			"	Borwalwala	"	"	
184			"	"	"	"	
181			Bariamota	Guardki Rupput	As mentioned in No 173	"	Do
182			Kotra	Borka	As mentioned in No 118	5386	
183			"	Nagankibesawala	"	"	Tank useless as an irrigation work owing to unsoundness or other causes
184			Rohera Khera	Rohera kherawala	1839	2399	

Preparatory List of Tanks in Ajmere and Mhairwarra.

Number	Name of Taluqd	Name of Circle	Name of Village	Name of Tank	Year in which constructed	Original cost so far as is known	REMARKS
185	Bairwar	Berwar	Kohera Kheia	Rupput	1839	Rs	The land in rear is irrigated from Sarbina
186			Kulan	Rastawali Gaon ka Talao			
187			Naharpur	Naya Talao Naharpooika			
			Rajpur	"			
188			Khadla Kheia	Khadla	1868 69	2,194	
			Kulan	"			
			Rajpur	"			
189			Khadla Kheia	Naya Talao	1868 69	1,341	
190			Dhola Danta 2nd	Rupput	As mentioned in No 118		
			Dholee	"			
		Khadla Kheia	"				
191		Kabria	Kabria	1839	6,249		
192		Thani Thok	Gaon Upperla	1845	2,406		
193		Chula Bata	Upurka	1826 27	6,665		
194		"	Nichala	As mentioned in No 2	1,021		
195		"	Ruput Nichala		230		
196		"	Rupput Upur wali Rupnake	1868 69 As mentioned in No 118	618	Irrigation from the water goes into Nichala Talao	
197		Barul	Nalewali	1868 69	3,668		
198		Nakalan	Powariya				
199		"	Lasaniya	As mentioned in No 118		Broken Water Revenue not assessed as cost	
200	Kheia Nimri	Naki Sawanwali					
201	Nai Khud	Bor Gilai					
202	Punura	Nalenala		1,744			
203	Berwar	Rupana	Rupana	1846-47	2,206		
204	"	Jawari	Jawari	1838	1,784		
	Shamguri	Bhuri Kheia Kalan					

Preparatory List of Tanks in Ajmere and Mhairwarra.

Number	Name of Taluq	Name of Circle	Name of Village	Name of Tank	Year in which constructed	Original cost so far as is known	REMARKS
						Rs	
	B F A W U R	Beawur	B h u g w a n	Jawaja	1838		
		Shamguri	B u n a r a n	"			
		"	Khera Behar	"			
		"	Baria Bhao	"			
205		"	Baria Bhao	Bajora	As mentioned in No 118	1,685	
206		"	"	Sunai	1868 & 1869	2,266	
207		"	"	Gemia	Ditto		
208		Chang	Bas Roopa	Jalea 2nd	As mentioned in No 118	6,681	
		"	Bas Lala	"	"		
		"	Bas Petha	"	"		
209		"	Jalia 2nd	Rupput	"		Tank useless as an irrigation work owing to an outline or other cause
210		Shamguri	Basrupa Surajpoora	Kannurwala Rata Bhita		2,892	
		Chang	Jalia 2nd	"	During the year from 1840 to 1841		
211		"	Basdurga Lusani 2nd	Lusani		8,106	
		"	Rawatmal	"			
212		"	Naya Khera	Nichala or Bankia		1,379	
213		"	"	Uparla			Expenditure included in that of No 212
214		"	Dadola	Dadu Bhel wala	As mentioned in No 116	529	Water & revenue not separately assessed
215		"	"	Baria Ajba	"	120	Do Do Do
216		Chang	Taraguri	Rupput Phutia wala	"	131	
217		Shamguri	Rodhana	Boria Naka	"	288	
		Chang	Khera Danti	"	"		
218		"	"	Bankia	"		
219		Shamguri	Lotana	Lotana	"	3,514	
		"	Surajpoora	"	"		
220		"	Bilawas	Bajwa	1845	5,668	

Preparatory List of Tanks in Ajmere and Mhairwarra.

Number	Name of Tank	Name of Circle	Name of Village	Name of Tank	Years in which constructed	Original Cost so far as is known	REMARKS
						Rs	
221		Shamguri	Bihawas	Phuttia	1815		Broken.
222			Burkochran	Rupput			
223			"	Rupput		1,088	Benefits Wells only Original expenditure included in that of No 23
224			"	Palana		1,103	
225			"	Jhaiwa			
226			Bhyron Khera	Bhyron Khera wala			
227			Bhuria Khera	Rupput			
228		Beawar	Kalan	Bhoria Khera	1668-69	826	Water Revenue not separately assessed
229			Bhuria Khera	Khattea		763	
230			Khud	Oraya			
231			"	"			
232			Kalatan Khera	Naya Talao		821	
233			Hethan	Hethan			
234			Khera	Kherawala		225	
235			Jagpur	"			
236			Dewatan	Danatan		12,869	
237			Bambipoor	"			
238		Shamguri	Baria Nagga	"	As mentioned in No 118		This is a Tank built by the Irrigation Department but there is no culturable land either above or below dam
239			Kishupoor	"			
240			Kalathan Khera	"			
241			Jagpur	"			
242			Malpoora	"			
243			Dewatan	Rupput			
244			Thok Bana	"			
245		Beawar	Hira	Loharou ka Talao	1838	467	Benefits Wells only Tank use as an irrigation work owing to surroundings or other causes
246			Badm	Hukmaki Nadi			
247			Bhurta	Lamba ka Talao			
248			"	Morhayan		432	
249			Saroth	"			
250		Shamguri	Hathana Khera	Rupput	1838	6,054	Benefits Wells only Irrigable land in Hathana Khera
251			Saroth	Nyagion			
252			"	Ranala			
253		Shamguri	"	Jiranki			Expenditure not included in that of No 23
254			"	Rupput			

Preparatory List of Tanks in Ajmere and Mhairuara

Number	Name of Tahsil	Name of Circle	Name of Village	Name of Tank	Years in which constructed	Original Cost so far as is known	REMARKS
239	BEAWAR	Shamghur	Dungar Khera	Dungar Khera wala	As mentioned in No 118 Ditto	Rs 1,315	Tank useless as irrigation work owing to unsoundness or other causes Expenditure included in that of No 242
240			"	Sankree Bhata		509	
241			Sheopura	Asanke Nali-wala		1,919	
242			Bar	Rao		690	
243			"	Dudala	Ditto	2,744	
244			Bhyron Khera	Siyalia	1837		
245			Jethgurh	Silota	As mentioned in No 118	531	
246			"	Mansagur			
247			Ummedpoor	Nadi	1866 1867		
248			Kana Khera	Nadi			
249			Amrpur Bar	Narayan Deowala		2,117	
250			Baria Hera	Tantia		1,983	
251			Jaynagar	Chanrak Rel			
252			Sheonagri	Bania Bas			
253			Deo Khera	Deo Khera wala		665	Benefits Wells only
254			Jeta Khera	Jetawala		260	Broken
255			Akhayghur	Dadra			Tank useless Expenditure included in that of No 254
256			Fata Khera	Rankra		358	Tank useless as an irrigation work owing to unsoundness or other causes
257			Kala Dara	Naya Talao		200	Irrigable land in rear in Surlian
			Surlian	"			
258			"	Bukhta wala		730	
259			"	Naya Talao		"	Broken
260			"	Nadi Bali-ryan		"	
261			Jethghur	Moringa		"	
262			Surajpoor	Sooriy poor-wala		994	Benefits Wells only
263			Sarbena	Sarbena		1,058	
			Nahur poora				

Preparatory List of Tanks in Ajmere and Mhairwarra.

Number	Name of Tehsil	Name of Circle	Name of Village	Name of Tank	Year in which constructed	Original cost so far as is known	REMARKS
						Rs	
261	B F A W U R	Bewar	Surajpoora	"	As mentioned in No 118		
265			Shahpoor Kalnjar	Sandia	1839	821	
266			"	Bataoria	"	"	Broken Expenditure included in that of No 264
267			Bulahi Khara	Bulahi Khara-wala	As mentioned in No 118	"	Broken
268			Kezurpoora Huttan	Kesrawala Gophaia		1,633	
269			Hattan Shukhaw is Fitupur near Shekhawas	Dadola		1,161	Irreparable Tank in Bewar in Fathpur
270			Umibaori	Nadi		460	
271		Shamgurih	Surajna Champoora	Birka Talao	As mentioned in No 118	679	
272			Deokhera	Rokh chauri			
273			Mananugla Khare ka	Khare ka Kherawala		2,666	
274			Jethpur Manamigla	Jethpurwala		1,979	
275			Mananugla	Bhinda kur	1839	1,583	Water Revenue will be levied when the tank is repaired, it is being repaired
276			Ratanpoor Ghata	Ratanpoor-wala	As mentioned in No 118	40	
277			Ryoi	Dadola	"	2,976	Water Revenue will be levied when the Tank is repaired, it is done yet
278			Shahpoor Ghata	Ghata Wala	"	678	
279			Bahran	Bahran	1828	1,916	
280			"	Rupput Balu wala	As mentioned in No 118		Tank useless as an irrigation work owing to its position and other causes
281		Bewar	Ramsur Mahala	Mahala	1848	160	
282			Autit Mund	Dholi Chit	As mentioned in No 118	2,683	
			Jethpoor	"	"	"	
			Mandera	"	"	"	
283			Autit Mund	Naya Fulio	As mentioned in No 118		
284			Rata Khara	Ratankhara		702	
285			Kalngar	Kalngar	1821	271	

Preparatory List of Tanks in Ajmere and Mhairwarra.

Number	Name of Talucl	Name of Circle	Name of Village	Name of Tank	Year in which constructed	Original cost so far as known	REMARKS
						Rs	
286	BLAWAR	BLAWAR	Rajawas	"	1820-21		Broken.
287			Ramkhera Dhanar Ditto	Phuta Talao Khaju kina-hwala	As mentioned in No. 112	267	
288			Sanwa	Sanwa wala		121	
289			Gohana	Gohana	As mentioned in No. 113	1,270	
290			Singharia	Dedialia	As mentioned in No. 114	1,679	
291			Kesurpoor Parsa	Naya Talao Singharia	1837	462	
292			Nunderi Maldu	Singharia wala	As mentioned in No. 115	100	
293			"	Chota Talao	Ditto		
294			Sudaria	Saidaria	1830	2,327	
295			Kusalpoor	Kusalpoor-wala	As mentioned in No. 115	325	
296			Malpoor	Chamaron			Water Revenue not separately assessed Tank useless as an irrigation work owing to irregularity of water supply
297			Kaliawas Jethpoor	ki Nadi Naya Talao	Ditto	75	
298			Kaliawas	Kaliawas	Ditto	32	
			Kaliawas	Kaliawas	Ditto	9,101	
			Bhawan Khera	"			
			Rampoora	"			
			Malpoora	"			
			Jethpoor	"			
299			Kaliawas	Rupput Shukasta	Ditto		Broken
300			Ramghur	Ramghurwala	1838	2,270	
			Balean	"			
301	Shangurh	Shangurh	Semla	Semla	Ditto	75	Water Revenue not separately assessed
302			Jak	Samata		1,683	
303			"	Kunpa Baori	As mentioned in No. 118	80	Broken
304			Jak	Goha		400	
305			"	Rya ke-Rel		1,059	

Preparatory List of Tanks in Ajmere and Mhairwarra.

Number	Name of Taluk	Name of Circle	Name of Village	Name of Tank	Year in which constructed	Original cost so far as is known	REMARKS
306	Bairwar	Shamgurb	"	Goranda	As mentioned in No 119	Rs 847	Broken.
307			"	Dandla		231	Tank useless as an irrigation work, owing to unsoundness or other causes
308			Barkhala ..	Barkhala		783	
309			Bulad	Bulad .	1839	1,459	
310			Gurhi } Thorani }	Rupput ...	As mentioned in No 118	48	Broken.
311			Dowlut }	Anoop }		1839	
312			Ghur }	Saugor }		4,089	
			Dilwara .	Dilwara .	1820-21	2,289	
		Bairwar	Mandawas	"	"	"	
			Daulatpoor,	"	"	"	
			Lusani 1st	"	"	"	
			Lisaria .	"	"	"	
			Sahespoor	"	"	"	
313			Sahespoor	Nadce	1868-69	3,135	
314			Andhi daori	Bara Talao	As mentioned in No 119	1,416	
315			Rampoor	Gyanawala		225	Water Revenue not separately assessed
316			Sarkana	Naya Talao		183	
317		Shamgurb	Lulua	Gorana .	1837	6,168	
318			"	Bhum	Ditto	349	
319			"	Rupput	1837	"	Expenditure included in that of No 317
320			"	Goranawala Ditto.		"	
321			Rajpoora	Nya Talao	1815	"	
322			Shamgurb	Khatarlai	1837	3,071	
323			"	Jowashiya	1837	"	Expenditure included in that of No 322.
324		Bairwar	Baria Bhao	Lakhhaji wala	As mentioned in No 118	244	
325			Pakhriawas	Pakhriawas	1837	646	

Preparatory List of Tanks in Ajmere and Mhairuara

Number	Name of Tehsil	Name of Circle	Name of Village	Name of Tank	Years in which constructed	Original Cost so far as known	REMARKS
326	BEAWUR	Beawur	Khun Khera	Khun Khera wala	1839	Rs 903	Water Revenue not separately assessed
327			Mandawas	Naya Talao	1846	1,991	
328			Fathpoor 1st	Rupput Ruttunpoor wala	As mentioned in No 118		
329			Ruttunpoor Jhunta	Ruttunpoor-wala	1845	3,195	
330			Tatpoor 1st				
331			Sohawa	Jugga wala	1868 and 1869	5,253	
332			"	Jalawala			
333		Shangurh	Lakhna	Sandul	1839	3,637	Tank useless as an irrigation work owing to unsoundness of other causes
334			Kheta Khera	Kheta wala	As mentioned in No 118	125	
335			Kana Khera	Gaon wala		1,494	
336	"		Kundia	8,389			
		Khesurpoora	Relawala		1,344		
Total Tehsil			Beawur			3,41,857	

Preparatory List of Tanks in Ajmere and Mhairwarra.

No.	Locality	Name of Village	Name of Tank	Year in which constructed	Original cost as far as is known	REMARKS
					Rs	
337	TONGA	BHAVAN	Kabli	Jhapad	1,999	
338			"	Foru di Talao		Original expenditure included in No 337
339			"	Tungachka Talao		Broken
340			"	Rupput Mohra	519	Tank useless as irrigation work owing to unsoundness or other causes
			Baggri	Jhunjur		
341			Kot Kirana	Nichli Talao	1,018	
342			"	Gaon Piska Dharum Talao		Expenditure included in that of No 341
343			"	Kirana ka Talao		Benefits Wells only Water Revenue not separately assessed
344			"	Rupput Kirana	373	Tank useless as irrigation work owing to unsoundness or other causes
345			Sirma	Sanelka Talao	406	
			Kothirana	"		
346			Khormal	Lasanya-ki Pal	360	
347			Charpalan.	Charpalan ki-Nadi	90	Water Revenue not separately assessed
348			Bamunhera	Bamunhera	3,960	
349			Dewal Fatte poor	Kanlot	5,001	
350			"	Rupput Khari Pat	225	Tank useless as irrigation work owing to unsoundness or other causes
351			Bagnal	Kali Bhata-ka Talao	3,971	
352			"	Rupput-urfi Gundin ka Talao		Expenditure included in that of No 351
353			Gunesh poor	Baharwas ka Talao	1,321	
			Khara Sattu	"	"	
			Gogola	"	"	
354			Khara Sattu	Rupput Shikasta	120	Broken
355			Ditto	Juspulan ki Nadi	"	Water Revenue not separately assessed
356			Ditto	Gelawala Nadi	"	

During the year from 1837 to 1848

Preparatory List of Tanks in Ajmere and Mhairwarra.

Number	Name of Talao	Name of Circle	Name of Village	Name of Tank	Yrs in which constructed	Original cost so far as is known	REMARKS
357	TODGUR II	BHALAN	Khera Sattu	Nadi Rajar-lai	During the year from 1837 to 1848	Rs	Broken.
358			Marian	Bhaja Rel		1,187	
359			Roriyana	Rupput			
360			Gogala	Rorivana			
				{ Gogolaka			
				{ Talao			
			Negarian	"			
			Barakhan	"			
			Roriyana	"			
			Thoke khere Sattu	"			
361			Negarian	Lohuron ka Talao		160	Water Revenue not separately assessed.
362			Barakhan	Kharonjon ka Talao		596	
			Deolatan	"			
			Khera Sattu	"			
			Thoke Sattu	"			
363			Ranatan	Gadhapa			
364			Banjari	Bara Talao		1,705	
365			"	Jogi Sauthra			Expenditure included in that of No 364.
366			Mowasa	Murda ka Talao		965	
367			Khera kalan	Harela			Tank useless as an irrigation work owing to unsoundness or other causes
368			"	Gamela			
369			"	Bhysapa-urf Puda Bazai		1,035	
370			"	Rupnugur		8,657	
371			"	Bajra			Expenditure included in that of No 372
372			Palree	Gaon Pas ka Talao		1,345	
373			"	Pation ka Chauri			Benefits Wells only
374			"	Saud Bhaga			
375			"	Rupput N-chala			

Preparatory List of Tanks in Ajmere and Mhairwarra.

Number	Year of Completion	Name of Circle	Name of Village	Name of Tank	Years in which constructed	Original cost or far as is known.	REMARKS
376			Palreo	Samapra		Rs	Benefits Wells only
377			Bali	Nake ka Talao		1,605	
378			"	Tafak ka Talao		"	Expenditure included in that of No 377
379			"	Lohnon ka Talao		"	Benefits Wells only
380			Togi	Bara Talao		3,591	
381			"	Nya Talao		"	Expenditure included in that of No 380
382			Bala Charhut	Charhut ka Talao		"	Newly constructed by Irrigation Department
383			Tehana	Tehana ka Talao		2,661	
384			"	Rupput Shikra		"	Expenditure included in that of No 383
385			Kakra	Jalpaki Rupput		1,057	
386			"	Thamint in ki Rupput		"	Water Revenue not separately assessed
387			"	Roopa Bel ki Rupput		"	
388			Ameer	Ameer ka Talao		2,267	This has been again newly constructed by Irrigation Department cost not known
389			"	Rupput Duda		"	Expenditure included in that of No 388
390			Akhayjet ghurh	Akhayjet ghur ka Talao		771	
391			"	Kundiva ka Rupput		"	Expenditure included in that of No 390
392			Naloi	Lillpoora ka Talao		7,781	
393			Ditto	Rata Bhata		1,660	
394			Ditto	Rupput Dhara		"	Expenditure included in that of No 393 Water Revenue not separately assessed
395			Gehata	Naya Talao		2,093	
396			Titri	Titrika Talao		1,673	
397			"	Kakenya ki Rupput		1,236	
398			"	Kesupoori ka Talao		1,028	Brok
399			Derian	Derian ka Talao		928	
400			Samelia	Samelia ka Talao		"	
401			Palran	Sadailai ki Nadi		155	Benefits Wells only

Todgurbh.

Todgurbh

As mentioned in No 118

Preparatory List of Tanks in Ajmere and Mhairwarra.

Number	Name of Tehsil	Name of Circle	Name of Village	Name of Tank	Year in which constructed	Original cost so far as is known	REMARKS
						Rs	
402	Todgarh	Todgarh	Bhulkhera	Bhulkhera ki Nadi ...	During the year from 1837 to 1848	100	Water Revenue not separately assessed.
403			Kalideh	Khojarla		2,900	Broken
404			"	Naya Talao		"	Expenditure included in that of No 403
405			Dholi	Sunhui aki Baria		"	
406			"	Nerika Talao		1,566	
407			"	Chipkari		"	Expenditure included in that of No 406
408			Mundlan	Bheem		13,105	
			Dholi ..	"		"	
409			Mundlan...	Modikankur		1,286	Water Revenue included in that of No 408
410			"	Phutel ..		"	Do newly constructed by Irrigation Department and now broken
411			"	Rupput Simbo		625	Benefits Wells only
412			"	Rupput Nataman near Neri ..		"	Not finished.
413			"	Gwar Batolan		200	Benefits Wells only
414			"	Dukuriana Talao or Dungiyo		1,216	Benefits Wells only
			Kukar Khara	Dani Sagur		3,418	
416			"	Thara Bala	During the year from 1837 to 1847	"	Expenditure included in that of No 415
417			Kaletra ...	Phul Sugur		4,359	
418			Sunarkuri	Semlia	During the year from 1847 to 1848	"	
			Burar .	"		"	
419			Sunar Kori	Pantra ki Talao	During the year from 1848 to 1849	"	
420			Barar.	Rupput Dadi		3,190	
421			"	Nadi Nala	During the year from 1849 to 1850	4,563	
422			"	Dhulera ...		4,825	
423			Barar	Hamela .	1850 or	951	

Preparatory List of Tanks in Ajmere and Mhairwarra.

No. of Tank	No. of Taluk	No. of Taluk	Name of Village	Name of Tank	Year in which completed	Original cost as far as known	REMARKS
421	Todgurih	Todgurih	Bunar	Kusulpura	During the year from 1837 to 1847	161	
425			"	Nadi Bana			
426			"	Surf Gogit on Khayura		365	Expenditure included in that of Benefits Wells only
427			"	Bavandla Talao		1351	Benefits Wells only
428			Barawara	Dodhaka Talao		2,771	Water here used separately
429			Mandwar	Jutiyaka Talao		5,955	Benefits Wells only
430			"	Tatka Talao			Benefits Wells only
431			Kachbali	Ajuniya		5,163	
432			"	Rupput Solikha		"	
433			Pipli	Khetla		"	
434	Todgurih	Dawar	Thorin	Rupput Mamdeo	During the year from 1837 to 1847	"	Water Revenue not separately assessed
435			Bagar	Mandela		9,585	Benefits Wells only
			Telra	"		"	
			Dhawala kulan	"		"	
			Dhawala-khoord	"		"	
436			Bagar	Rupput Shekista		"	Broken
437			"	Bujali-ka Talao		"	Broken as an irrigation work owing to unsoundness or other causes
438			Godha Lakha	Gundhon-ke Rupput		"	Benefits Wells only
439			Nabri	Rupput Shukasta		900	Broken, but irrigation is effected by Lift ?
440			Nahri	Golla-ka Nadi	1837-48	"	Broken
441	Todgurih	Dawar	Kahari	Kahari ka Talao	1837-49	1,482	Benefits Wells only
442			Thekar was Kalan	Rupput Natamam	Ditto	593	Not completed
443			Godha mota	Mahla Gormaka	Ditto	399	Benefits Wells only
444			Birjal	Naka Mahadeo	Ditto	4,292	

Preparatory List of Tanks in Ajmere and Mhairwarra.

Number	Name of Talaoel	Name of Circle	Name of Village	Name of Tank	Years in which constructed	Original cost so far as is known	R E M A R K S		
445	Todourh	Dewair	Chapalian	Naka maha deo uif Gwar Chandla	Ditto	12,315			
446			"	Naulia Pag	Ditto	41	Benefits Wells only		
447			"	Dhana Biram	Ditto	806	Benefits Wells only,		
448			"	Rupput Pukhta Naya Goan	Ditto	"	Expenditure included in the No 445		
449			"	Dewair laka Talao	Ditto	145	Broken.		
450			"	Bansa wari ki Nadi	Ditto	47	Benefits Wells only		
451			"	Kala Guman Gamela-ka Talio	Ditto	462	Benefits Wells only		
452			"	Khania ka Talao	Ditto	"	Benefits Wells only		
453			"	Khuria ka Talao	Ditto	"	Benefits Wells only		
454			"	Khatelu ka Talao	Ditto	"	Benefits Wells only		
455			"	Nadi Nama Talao	Ditto	"	Benefits Wells only		
456			"	Nadi Ratna	Ditto	"			
457			"	Talio Kharia Ruina	Ditto	"			
458			"	Munkarwas ki Talio	Ditto	50	Tank useless as an irrigation owing to unsoundness or causes		
459			"	Godha Kesha Gurhi Kesha la Talao	Ditto	205	Benefits Wells only		
Total Tehsil Todgurrh						1,55,929			
Total Tehsil Ajmere						4,86,795			
Total Tehsil Beawur						3,41,857			
Total Tehsil Todgurrh						1,55,929			
GRAND TOTAL						9,84,581			

DRAFT OF
AJMERE-MERWARA IRRIGATION REGULATION,
1879.

1 This Regulation may be called
"The Ajmere-Merwára Irrigation Re-
gulation, 1879 "

2 In this Regulation, unless there
be something repugnant in the sub-
ject or context

(a) The term "Irrigation
Officer" shall include all
Public Servants who are
connected in any way with
the administration or pre-
servation of lakes or other
Irrigation works

(b) "Field " shall ordi-
narily mean a field of the
Settlement Shajrah

(c) " Duct " shall mean
any main or branch water-
course constructed and
maintained by Govern-
ment

(d) "Channel" shall ordi-
narily mean the small
water channels constructed
by the cultivators lead-
ing out of the ducts

(e) A " Bigah " is equivalent
to 2-5ths of an acre = 1,936
square yards

(f) A " *Darlkhat* " is a
written application for
water, made out in the
form prescribed by Chief

Commissioner as hereafter described

3 The Chief Commissioner may, from time to time, declare to what class each Irrigational work shall be held to belong, and may also, vary such classification

4 The Chief Commissioner, with the previous sanction of the Governor General in Council, may, by a Notification in the *Local Gazette*, frame subsidiary Rules for the management and repair of such works, under the following heads, and may make separate Rules for separate classes of Irrigation works

1st — Distribution of water

2ndly — Rates chargeable for use of water, mode of assessment and of credit, and the same,

3rdly — Collection of water dues and other charges.

4thly — Remissions and Suspensions

5thly — Rights, duties, and obligations of Office bearers and others interested in such works

6thly — Ordinary repairs to all Irrigational works, and special assistance for emergent repairs

7thly — Appeals from Orders passed under this Regulation, or any Rules framed thereunder.

8thly — Forms and Statements

5 The Chief Commissioner may, with the previous sanction of the Governor General in Council, in making any such Rule, attach to the breach of it by an individual, or individuals, a punishment, on conviction before any competent Magistrate, of a fine not exceeding for the first offence Rupees fifty, and for the second or any subsequent offence a fine not exceeding Rupees two hundred, and such person on conviction, shall be liable to forfeit any right to water for irrigation which he may have obtained under this Regulation or the Rules framed thereunder

6. If the inhabitants of any Village irrigating from the lake, or situated within three miles of a lake or any part of the main duct thereof, on being summoned by an Irrigation Officer through their representative Headman, fail to render assistance, they shall collectively be liable to punishment on conviction before a Magistrate of a fine not exceeding Rs 500, and to stoppage of water-supply in addition to any fine imposed on individuals under Section 5 of this Regulation

7 All Water-dues and fines shall be recovered under the provisions of *Part IV* of the *Ajmere Land Revenue Regulation*, 1877, and all fines levied under this Regulation shall be credited as Water-dues of the Lake concerned

ALTERNATIVE DRAFT RULE

8 If any person shall construct, without the special permission of the Commissioner, any well or water-hole for the irrigation of land which is ordinarily irrigable from any lake, such land as he may so irrigate shall be liable to assessment at full rates, whether it be recorded as *talab* or not

8. The Chief Commissioner shall have the power, by Notification, to prevent the surreptitious use of water percolating from a lake constructed by Government

1st —By forbidding the construction of any well or other work within

a reasonable distance of such embankment

2ndly.—Or, by declaring land irrigated from such wells chargeable with the water-dues fixed on other lands in the same neighbourhood.

9. If any person or persons shall, under Section 5 of *Land Revenue Regulation*, prove that they have a prescriptive right in water in any lake not constructed by Government, such persons shall not be brought under the Rules framed under this Regulation with regard to distribution of water and penalties accruing therefrom, but they shall be amenable to all other Rules framed by the Chief Commissioner for Lakes of the class in which they are declared under Section 3 of this Regulation to be classified

DRAFT RULES UNDER AJMERE-MERWARA IRRIGATION REGULATION, 1879.

—o o—

The following Rules under *Section 1*, having received sanction of the Governor General, in Council, are hereby promulgated for general guidance and information —

RULES FOR DISTRIBUTION OF WATER

Section 1 Clause 1

GENERAL RULES.

The following Rules shall apply to all three Classes of Lakes:—

—

Rule 33, Old Tank Rules

, 3, New " "

I —Water shall not, generally, be given for the irrigation of land which can be irrigated from a Well

Rule 15, New Tank Rules

Part of Rule 37, and Rule 38 Old Tank Rules

II —The Assistant Commissioner shall from time to time fix the period during which the sluices shall remain open, and the dates of closing and opening the sluices during each harvest shall be recorded in the *Patwari's* Diary

Rule 46 Old Tank Rules

" 25, New " "

III —A list shall be prepared from time to time shewing the times at which and during which the several ducts shall be allowed to run This shall be duly notified to the *Lambardars* of the villages interested

Rule 26, New Tank Rules

" 47, Old " "

IV Water shall not be taken before or after daylight without special permission In Lakes of the 2nd or 3rd Class the *Panchayat* referred to in Rule X may give this permission.

Rule 35, Old Tank Rules

„ 21, New „ „

V—The Assistant Commissioner may, (when necessary,) direct Cultivators to construct small Regulators, as hereinafter described, to allow of proper control over the flow of water in the Irrigation Channels. A Regulator shall consist of a stone slab pierced with openings, the size and number of which shall be decided by the Assistant Commissioner, or of two small masonry abutments placed at a certain distance apart, or of such other mechanical contrivance, as the Assistant Commissioner may approve.

Rule 45, Old Tank Rules

„ 24, New „ „

VI—Cultivators shall, when directed by the Assistant Commissioner, be bound to divide their fields into beds or *Kyáris*, which shall number about 100 to the *bigah*, until this be done water may be withheld.

Rule 48, Old Tank Rules

„ 38, New „ „

VII—Objections made on the ground that a crop has not received sufficient water to bring it to maturity, must be made while the crop is still on the ground, and shall not be subsequently entertained.

Rule 39, Old Tank Rules

VIII—Whenever a dispute arises between two or more persons in regard to their mutual rights or liabilities in respect of the use, construction, or maintenance of a Watercourse, any such person may complain in writing to the Superintendent of Irrigation, stating the matter in dispute, the Superintendent of Irrigation shall thereupon, give notice to the other persons interested, that on a day to be named in such notice, he will proceed to inquire into the said matter. After such enquiry, he shall pass his order thereon, which shall be final, for the use or distribution of water for any crop sown or grown at the time

when such order is made, and shall, thereafter, remain in force until set aside by the order of the Assistant Commissioner on Appeal.

Rule 54, Old Tank Rules,
 „ 51, New „ „

IX.—If a Cultivator give water to a ripe *Kharif* crop, with the obvious intention of softening the ground for the ensuing *Rabi*, the Assistant Commissioners may direct that he pay a full crop rate for the *Rabi*.

The following Rule applies only to Lakes of 2nd and 3rd Class :—

Rule 57, Old Tank Rules

X.—Head *Lambardárs* of the Village in which the Lake is situated, when the time for opening the sluices, approaches, shall summon a *Panchdyat* from all the villages which ordinarily get water from the Lake, the *Panchdyat* shall decide, subject to any general orders they may receive from time to time from the Assistant Commissioner on what date the Lake sluice is to be opened, what fields are first to get Water, and for how long a time Water is to be allowed to flow over a *bigha* of land. For the last purpose a graduated hour glass may be used, or as at present an earthen pot, with a small hole in the bottom

The following Rules apply only to 1st Class Lakes.—

Rule 8, New Tank Rules

XI.—The Assistant Commissioner may distribute the water from these Lakes according to his discretion

He may refuse to grant water to any applicant the reason for such refusal shall be briefly endorsed on the back of the application

Rule 11 New Tank Rules.

XII —Applicants for water shall present written *darlhwasts* (which shall be distributed gratis) stating in detail the conditions on which they wish to take water, showing the number and areas of the fields to be irrigated, the crops growing or to be grown thereon, and the rates prescribed under these Rules These applications may be given to the chief *Lambardár* of the applicant's village, or may be presented to the Senior Officer, present at the time at the Tahsil The chief *Lambardar* or senior Tahsil Official shall be bound to forward such application as soon as possible to the Assistant Commissioner, or to such person as he by a general order, may direct

Rule 12, New Tank Rules

XIII —Any alteration in the term of an accepted *darlhwast* must be made by the presentation of a second *darlhwast*, amending the previous one And this shall be filed with the original *darlhwast*

Rule 13, New Tank Rules

XIV.—Applicants wishing to take water at the reduced rate for *dofali* cultivation must present their application before 1st July

Rule 14, New Tank Rules

XV —In all orders upon *darlhwasts* granting water for irrigation for garden produce, it shall ordinarily be stipulated that water will not be given as a rule after the 31st March, but at the discretion of the Assistant Commissioner subsequent waterings shall be given at such additional rates as he may deem fair

Rule 15, New Tank Rules

XVI —The Assistant Commissioner or the subordinate Officer placed by him in charge of this duty shall, on receipt of the *darlhuust*, endorse thereon his order. If water be granted, a *paricánáh* shall be given to the applicant empowering him to receive water in his regular turn, and a duplicate of the order shall be sent to the subordinate Irrigation Officer in charge of the sluices, the original *darlhuust* being filed in the Sadr Office.

Rule 16, New Tank Rules

XVII —If the Officer appointed to this duty shall refuse to grant water, he shall endorse his reasons for the refusal and refer the application for the orders of the Assistant Commissioner.

Rule 17, New Tank Rules

XVIII —No stamp duty shall be leviable on account of such *darlhuusts* or on any application with regard to Irrigation.

Rule 20, New Tank Rules

XIX —Cultivators shall regulate their own supply of water at the cisterns constructed outside each irrigation outlet in the ducts. No cultivator shall, on any account, interfere with such outlet which will be opened or closed only by an Irrigation Officer. If waste of water be caused by a failure to close the mouth of the cistern, the cultivator or cultivators who are, or have been, taking water therefrom, shall be responsible.

This Rule applies to all classes of Lakes

XX —For the commission or breach of any of the following acts or Rules the

penalties attached to Section V of the Irrigation Regulation may be awarded

Draft Rules Old Tanks
No 71

a Interfering with the authorized distribution of the water, or using such Water in an unauthorized manner, or taking Water oftener than he is entitled to

Draft Rule 43, New Tank Rules
Clause *a*

or taking water from 1st class Lakes or any duct or channel leading therefrom, without having filed a *dar-khoást*, and having received written permission to use such water.

Draft, Old Tank Rule 71 cl *b*

b. Causing wastage or leakage of Water —

Ditto ditto cl *d*

c Taking water without special permission before or after daylight —

Ditto ditto cl *e*

d Knowingly and wilfully allowing water to flow on to his land, or any other land, through an accidental breach in a bank —

Ditto ditto cl *f*

e Neglecting to construct Regulators when directed to do so, or wilfully altering, enlarging, or obstructing the same —

Ditto ditto cl *h*

f Neglecting to construct *Kyúis* when directed so to do, by any general rule, or special direction —

Ditto ditto cl *i*

g Destroying or moving any Level mark, or Water gauge, fixed by the authority of an Irrigation Officer —

Ditto ditto cl *j*

h Running off Water from these *Lakes* for any purpose other than Irrigation —

RULES FOR ASSESSMENT AND RATES.

Under Section 4, Clause 2

The following Rules apply
only to Lakes of 1st Class

XXI —The Water Rates on these Lakes shall, from time to time, be fixed by Local Administration and shall be published in the *Local Gazette*

Rule 28, New Tank Rules

XXII —The Rates at present chargeable for water shall, subject to any special agreements heretofore or hereafter entered into with the sanction of the Commissioner, be as follows —

	Per Biswah			Per Bigha.			Per Acre		
Ordinary <i>Kharyf</i> Crops,	0	1	0	1	4	0	3	2	0
Ordinary <i>Rabi</i> crops	0	1	6	1	14	0	4	11	0
<i>Defast</i> land	0	2	0	2	8	0	6	4	0
(Vide Section									
Cotton	0	1	6	1	14	0	4	11	0
Sugar cane	0	2	9	3	2	0	7	13	0
Rice	0	3	6	4	6	0	10	15	0
Garden Produce	0	3	6	4	6	0	10	15	0
Plough watering for gram	0	0	3	0	5	0	0	12	6

When the water is taken by lift, instead of by flow, the charges shall be half the above

Rule 29, New Tank Rules

XXIII —Whenever any alteration is made in the Water-dues a statement of the new Rates shall be given to the Chief *Lambardúr* of each village affected thereby

Rule 30, New Tank Rules

XXIV —These Dues shall be considered as rates upon the crop and shall be chargeable for water actually and *bona-fide* taken for the crop, at whatever time the water be taken

Rule 32, New Tank Rules

XXV —The Assistant Commissioner has power to give single waterings when applied for at rates he may deem fair.

The following Rules apply only to Lakes of 2nd Class.—

Rule 8, Old Tank Rules

XXVI —Lakes of the 2nd class shall be visited every Harvest, by the Superintendent of Irrigation

Rule 9, Old Tank Rules

XXVII —In these Lakes a standard Water Revenue for each Lake has been fixed by the Settlement Officer, and it will be collected from the villages obtaining Water from these Lakes, except when its incidence on the irrigated acre exceeds the *maximum* fixed by the Settlement Officer, when that *maximum* only shall be taken

Rule 10, Old Tank Rules

XXVIII —When by extension of Irrigation the incidence falls below a certain *minimum*, the irrigated acreage shall be assessed at that *minimum*.

Rule 11, Old Tank Rules

XXIX —When the incidence of the assessed sum on the irrigated acreage is a rate intermediate between the *maximum* and *minimum*, that rate is the Water rate for the year, and the Water Revenue will be collected in full.

Rule 12, Old Tank Rules

XXX —When any considerable amount of water above sluice level, still remains after *Kharif* cultivation an acre irrigated in the *Kharif*, shall

pay as a fixed rate the *minimum* rate of the lake.

Rule 13, Old Tank Rules

XXXI—When a Lake of this class has no water after the close of the *Kharif* cultivation, the accounts of this Lake will be closed, and the Rate will be fixed as above

Rule 14, Old Tank Rules

XXXII—The *Rabi* rate per irrigated acre shall be found, by dividing the difference between the amount realized on the *Kharif*, and the standard Water Revenue by the number of irrigated acres in the *Rabi*, provided that the rate so resulting shall not exceed the *maximum* rate fixed for the Lake and that any surplus so resulting shall be abandoned, if by any chance the Water Revenue of the *Kharif* exceeds the lump sum assessed on the Lake the Rate for the *Rabi* will be the *minimum* rate of the Lake

ILLUSTRATION

Dihwāra Lake

Suppose—55 acres irrigated for *Kharif* it will be assessed at Rs 3-12 which is *minimum* Water rate of the lake

$55 \times \text{Rs } 3-12 = \text{Rs } 206-4$ out of Rs 1,068 the lump sum assessed on this lake leaving a balance of Rs 861-12 to be adjusted from *Rabi* irrigation

Suppose 40 of above 55 acres are again irrigated in *Rabi*, and that Lake is dry by 15th February, it will be necessary to count waterings for *Rabi*

Assume that 40 acres of *Dofasli* is fully irrigated, and 100 acres of *Rabi* fully irrigated, 30 acres only received two waterings and 60 acres one watering Then obtain

irrigated acreage from which rate of year will be discovered, by dividing it into Rs 861-12, balance of lump sum after *Kharif* payments, thus —

40 acres *Dofusli* at half rate, = 20 Irrigated acres

100 acres at full rate = 100 „

30 acres at 3rd rate = 20 „

60 acres at $\frac{1}{2}$ rate = 20 „

Total 160 Irrigated acres

Water rate works out to Rs 5-6 per irrigated acre, but the maximum of Lake is Rs 5, so annas six per acre will be abandoned

Water Revenue for *Rabi* will be

Rs 5 x Rs 160	Rs 800 0
Add <i>Kharif</i>	„ 206 4

Total Rs 1,006 4

Showing loss on assessed lump sum of Rs 61-12, which will probably be made good by assessing lands in bed of Lake, at Rs 1-14 per acre

A single acre of *Talabi* land would in this way pay a rate of Rs 3-12 per *Kharif*, and may pay as a maximum Rs 2-8 or half the maximum of Rs 5 for the *Rabi*, total 6 4 on the year

Rule 15, Tank Rules

XXXIII — If there is no water in a Lake on the 15th February i.e. when on that date the level of the Water is below that of the sluice, the waterings of the *Rabi* shall be counted and the Rate will be fixed in accordance with such number of Waterings

Rule 16, Old Tank Rules

XXXIV — An acre which has received two waterings only, not counting a sowing watering, shall only be charged as two thirds of an acre

Rule 17, Old Tank Rules

XXXV —An acre which has received one watering only, not counting a sowing watering, shall be charged as one-third of an acre.

Rule 18, Old Tank Rules

XXXVI —An acre which has paid Water Revenue for the *Kharif*, shall pay only half the *Rabi* rate, but shall pay that Rate, even if it has only received one watering

Rule 19, Old Tank Rules

XXXVII —When the Rate for the *Rabi* harvest has been obtained by application of the above Rules, the Assessment shall be announced to the *Lambardárs* and *Patwárs*

Rule 20, Old Tank Rules

XXXVIII —Submerged lands, left unassessed by Settlement Officer, shall only pay Water Rate, when the Water Revenue on the land below the dams falls below the variable standard sum.

Rule 21, Old Tank Rules

XXXIX —In such case the submerged area (including *fallow*) which is actually cultivated for the *Rabi* shall be assessed at the rate fixed by the Settlement Officer, except land which has already been assessed as *Abi*, or on which crops of *maize* or *bayra* have been grown as fodder for cattle during the hot season.

Rule 22, Old Tank Rules.

XL —An acre shall be considered to have been fully irrigated

1st — When a *Kharif* or *Rabi* crop has been brought to maturity, and it shall ordinarily be held that the *Rabi* crop has been brought to maturity when Water was still well above the sluice level in the Lake, on the 15th February

2ndly —A *Kharif* crop on land recorded as *Tálábi*, whether it has

received Irrigation or not, if the crop, has been brought to maturity

3dly.—When an acre has received three Waterings, not counting a sowing Watering, for the *Rabi*

Rule 23, Old Tank Rules.

XL I —Land shall not be charged more than full Rates even if more than three waterings have been received, but no land shall be entitled to receive more than three Waterings, except for Sugar-cane or Garden produce .

Rule 24, Old Tank Rules
and Rule I of these Rules

XLII —Well land shall not ordinarily be irrigated from these Lakes, if it be so, it shall be charged in all respects as if it were *Tālubi*, but it will not ordinarily be charged less than Rs 5 per acre per Harvest

Rule 25, Old Tank Rules.

XLIII.—When there is not sufficient water to bring the *Rabi* crop to maturity, all land (including *Dofash* and *Chdhi*), which received a sowing watering only, which yet was ploughed, shall pay Rs 1-4 per acre, whether the field was actually sown or not.

Rule 26, Old Tank Rules

XLIV —*Abi* lands irrigated by *Ods* or wells in bed of Lake, should pay under such circumstances Rs 1-4 an acre Collection under this Rule shall not be brought into the Account of the irrigated acreage, but the sums collected shall be considered in calculating whether any thing should be levied on submerged land

Rule 27, Old Tank Rules

XLV —All land irrigated from shallow wells in the bed, or by water which comes through the sluices of these Lakes, whether such water is raised by baskets or by lift, shall be held to be land irrigated from such Lakes

Rule 25 Old Tank Rule-

XLVI—Lands irrigated from *Ods* situated on the bank of a stream or channel, flowing into or out of the lake, or from wells made in its bed or within reasonable distance of the embankment, shall be charged as fully irrigated, provided that, if such land has been assessed in the Settlement *Cháhi*, it shall come under the Rules for *Cháhi* land. If it has not been assessed as *Cháhi*, it shall be considered as irrigated land coming under the ordinary rule.

Rule 29 Old Tank Rules

XLVII—*Bhūm* and *Manfi* lands under Lakes of this class, shall be charged at Rs 1-4 per acre per Harvest if receiving irrigation, even if only a sowing watering. All classes of land of this description, *Cháhi*, *Abi*, or *fallow*, shall pay this Rate if receiving Water.

Rule 30, Old Tank Rules

XLVIII—In a few cases where the irrigable area of a large Lake was amalgamated with that of a *Nádi*, by mistake, the land under the *Nádi* shall be assessed "at $\frac{1}{4}$ anna each acre per Harvest irrigated from the *Nádi*, but if irrigation is received from the large Lake, then the land will pay the Rates assessed for the large Lake."

Rule 31, Old Tank Rules

XLIX—Land under a Lake assessed at a fixed sum, which may, nevertheless, be irrigated from a variably assessed Lake, shall be charged with Water Rates according to the rules for 2nd Class Lakes.

Rule 32, Old Tank Rules

L—The irrigated acreage of each Village shall be shown in acres, omitting fractions, and the Water Revenue of each Village shall be shown in Rupees, omitting fractions.

In the distributing of Water Revenue over the Holdings, fractions of an anna less than 6 pies will be neglected.

The following Rules apply only to Lakes of 3rd Class:—

Rule 6, Old Tank Rules

LI—Lakes of the 3rd class have their Water Revenue shown separately, but it is included in the Land Revenue payment fixed on each holding, such Lakes will not be annually inspected and the Assessment will remain in force until a new Settlement be passed

New Rule

LII—The management of Lakes of this class will primarily rest with the villagers themselves subject to conditions entered in Settlement Records and to any special or general directions given by the Assistant Commissioner from time to time

RULES FOR COLLECTION.

Under Section 1, Clause 3

These Rules apply to Lakes
of all Classes.

Rule 54 Old Tank Rules

and 33, New " , amalgamated
with slight verbal alterations shown in
italics

LIII —At such times as the Assistant Commissioners shall direct, the Irrigation Officer shall proceed in person to the Lakes, shall go over and examine all the land irrigated during the season, shall make such measurements as may appear necessary or desirable and shall in *first class Lakes compare the Darlhudst with the actual measurement* and after fully satisfying himself that the area actually irrigated has been fully irrigated *according to the condition on which water was granted* he shall check or prepare the *Khatauni* (shewing the names of Cultivators, the areas, and numbers of fields irrigated, the kinds of crops irrigated, and the amount of Water Rent leviable) All objections made *shall, so far as possible, be settled on the spot, if not settled, the reason thereof shall be noted in the Column of Remarks*

Rule 55, Old Tank Rules
Verbal alterations in italics

LIV —This paper shall be prepared in Urdu or Hindi, and when completed, shall *be signed by the Chief Lambardar and by the Patwari and thereafter by the Superintendent of Irrigation*

Rule 56, Old Tank Rules
" 33, New " "

LV —A copy shall then be given to the *Patwari*, who shall be bound to acquaint each Assessee with the details of the Assessment made against him

Rule 57, Old Tank Rules.

" 36, New " " "

LVI.—The Superintendent of Irrigation or other Irrigation Officer deputed by the Assistant Commissioner shall inform the *Lambárdár* of the Village of his intended visit, 10 days at least, before the date fixed for such visit.

Rule 58, Old Tank Rules.

" 37, New " "

LVII.—The *Khataunnis* after signature shall be forwarded to the Assistant Commissioner, who, after allowing fifteen days for Appeals against the Rating or Measurement, shall collect the Water-dues as Land Revenue.

RULES FOR REMISSIONS AND SUSPENSIONS

Under Section 4, Clause 1

These Rule apply to Lakes
of all Classes.

Rule 40, New Tank Rules

" 59, Old "

LVIII—The Commissioner shall have power to make any suspension of Water-ducs

Rule 41, New Tank Rules

" 60, Old "

LIX—If the water supply run short before the crop shall have reached maturity, the Assistant Commissioner shall have power to remit a certain portion of the crop rate according to the circumstances of the case *in Lakes of the first and second classes* He shall report such remissions to the Commissioner whose order shall be final on the matter, provided such remission shall not exceed one-fourth of the total season's assessment on the Lake If the remission exceed one-fourth, the matter shall be reported for the orders of the Chief Commissioner. *The Commissioner shall submit half yearly to the Chief Commissioner for sanction a statement of the sums which he recommends for remission in Lakes of all classes*

Rule 43 New Tank Rules

LX—Remissions on the score of death, absconding or poverty of cultivators, or damage to Lands or crops, or any other special cause *in Lakes of 1st class* shall be made by the Commissioner subject to sanction by the Chief Commissioner to whom they should as above be reported half yearly.

Rules 42, New Tank Rules

, 61, Old " "

LXI—If the Assistant Commissioner under *Section 31* direct that a

watering given to a ripe *Kharif* crop shall be treated as a *Rabi* watering, he shall have the power of remitting what ever he may think just and right

Rule 62, Old Tank Rules

LXII — *In Lakes of the 2nd Class* if the *Kharif* crop suffers from excessive Waterings and the full Water Rate be levied, the Assistant Commissioner shall have power to remit such portion of the *Rabi* Watering Rate as he may deem just and right All Remissions under Rules 62 or 63 to be reported in Tabular Statement to the Commissioner

Rule 6, Part entered under "Collection," Rule 52

LXIII — Lakes of the 3rd Class have their Water Revenue shown separately, ordinarily no alteration *will be* made in such Assessment, but the Commissioner *can*, if occasion requires, (and the rainfall altogether fails in any one year, or fails partially in a series of years,) apply to *Chief Commissioners* for remission of the whole, or a portion, of the fixed Water Revenue of any Lake

RULES AS TO
RIGHTS, DUTIES AND OBLIGATIONS OF OFFICE
BEARERS.

Under Section 4, Clause 5

These Rules apply only to
Lakes of 1st and 2nd Classes.

Rule 49, Old Tank Rules

LXIV — *For the breach of this Rule the penalties attached to Section 5 of the Regulation may be awarded*
X The duties of the *Lambardárs* in each village who receive Water from a Lake of the 2nd or 3rd Class shall be

1 — To prevent waste of the water by stopping the sluice at night and other times, when the water is not used for Irrigation

2 — To see that the water courses leading from the lake which are maintained by the village, are kept in proper repair

3 — To regulate the distribution of water according to the rule of rotation, and to give to no field more or less water than its due

Rule 50, Old Tank Rules

The *Lambardárs* of a village in which a Lake is situated shall in addition be bound —

1st — To watch the embankment, to report all faults and weaknesses, and in case of breach endangering the existence of an embankment during the rains, to summon all the able-bodied cultivators of the villages which obtain water from the Lake to assist in stopping the breach

2nd — To inspect the sluices and embankment before the rains, and to report in the *Patwari's* diary that the sluices are properly closed

3rd.—During the rains frequently to visit and examine the embankment, and see that no leakage occurs

4th.—To guard the Government trees or other property on or near the embankment

Rule 51, Old Tank Rules

LXV When the Assistant Commissioners shall deem it necessary, or the *Lambardár* may so desire, a *Havaldár* may be appointed for the care of any of the Lakes of the 2nd or 3rd Class, and his pay shall be charged to the Villages obtaining Water from the Lakes, in a rateable proportion, on their several annual assessments

Proviso—The *Havaldár* shall assist the *Lambardár* but his appointment does not relieve the *Lambardár* of responsibility.

See Rule 57, under "Collection"
Rule 57, Old Tank Rules,

LXVI.—The Superintendent of Irrigation will visit every Lake of the 2nd Class every harvest under orders from Assistant Commissioner, he shall inform the *Lambardár* of the village of his intended visit ten days at least before his visit

Rule 52, Old Tank Rules

LXVII—The *Patwári* shall be bound to prepare a record of irrigated acreage to be ready by the time the Superintendent of Irrigation visits the different villages of his Circle. Vide Rule 55 "Collection" He shall also record in his Diary the dates of opening and closing the sluice for each harvest.

Rule 38, Old Tank Rules

See Rule 56, under "Collection"
Rule 35, New Tank Rules,
Rule 56, Old Tank Rules

LXVIII—The *Patwári* shall on the *Khatauni* being signed by Superintendent of Irrigation be bound to acquaint each assessee of assessment made against him.

Rule 53, Old Tank Rules

" 39, New " "

LXIX — *Lambardárs* shall be allowed 5 *per cent* on collections made by them, and the *Patwáris* of the village shall be allowed Rs 3-2 *per cent* on the collections made in their Villages

Last Part of Rule 51, Proviso Old Tank Rules

LXX — The *Lambardár's* and *Patwári's* allowances may be totally or partially withheld for good reason if the Assistant Commissioners so direct

RULES FOR
REPAIRS.

Under Section 4, Clause 6

ORDINARY UNDER CIVIL OFFICER

These Rules apply to Lakes
of all Classes

Rule 40, Old Tank Rules

LXXI —The Irrigation Channels of *Laks* of the 2nd and 3rd Classes shall be kept in ordinary repair and maintained by the Panchayat mentioned in Rule X

Rule 41, Old Tank Rules

LXXII —If repairs are required to the Embankments, Sluces, or *Ducts*, the Head *Lambadā* in whose Village the Lake is situated, shall report the matter immediately to the Superintendent of Irrigation, who shall forward such report, through the Assistant Commissioner, to the Executive Engineer for attention

Rule 42, Old Tank Rules

„ 15, New „ „

LXXIII —In case of any dispute arising between the Owners of different fields respecting the repair of any Irrigation Channels, the Superintendent of Irrigation shall decide such matter summarily, and, if necessary carry out the repairs himself, charging the cost rateably to the Owners of the fields irrigated from such Channels and recovering the same with the Water-dues, as if it were Land Revenue

Rule 43, Old Tank Rules

„ 22, New „ „

LXXIV —The cost of carrying water channels under roads, or over or under water channels, shall be borne by the Owners who may require such channels

Rule 44, Old Tank Rules

" 23, New " "

LXXV—The Assistant Commissioner may, with the sanction of the Commissioner, construct all such works himself, if he consider such desirable —, charging cost rateably to all benefited thereby, and collecting such amounts as if they were arrears of Land Revenue

LXXVI—*For the breach of any of the following the penalties attached to Section 5 of the Regulation may be awarded*

a Neglecting to keep such water-course channel, basin, cistern or reservoir in order which by these Rules he is bound to keep in repair —

b Breaking or injuring any duct or channel

c Failing to repair any Irrigation Work when ordered to do so

d Opening any sluice at an unauthorized time, or failing to close it when so required

The following Rules shall apply to Lakes of 1st Class.—

Rule 18, New Tank Rules

LXXVII—The Irrigation channels shall be maintained by the Owners of the fields irrigated therefrom. No water shall be allowed to pass into any channel which is not in good repair. In case of any dispute arising between the Owners of different fields respecting the repair of such channels, the Assistant Commissioner, or such Officer as the Commissioner may depute, may decide such matter summarily, and, if necessary, carry out the repairs himself charging the cost rateably to the Owners of the fields irrigated from such channels, and recovering the

same with the water rent, as if it were Land Revenue.

Rule 19, New Tank Rules

LXXVIII —If the Assistant Commissioner or the Officer deputed by the Commissioner, considers that the construction of a channel through the lands of a cultivator is desirable, and such cultivator shall object to such construction, he shall make a report to the Commissioner, and if the Commissioner shall give him a written order to that effect, he shall construct such channel charging the cost thereof and the compensation, if any, rateably against the cultivators of the fields benefited by such channel

ORDINARY UNDER PUBLIC WORKS OFFICER

Sanctioned under Secretary to Chief
Commissioner's No dated

LXXIX —*There will at present be six circles for repairs of Lakes*

In Ajmere

No 1 Bhi

No 2 Rijaosi

No 3 Rámsar

In Merwara

No 4 Cháng, Jalia Bulad

No 5 Jarcáá, Jassááheia

No 6 Bhím Dawer

Paras 1, 2, 3,

Para 5

LXXX —The circle Subordinate will examine all *Lakes* in his circle as soon as possible after the rains and report what repairs are necessary, taking measurements of the work required. He will visit the *Lakes* at other times to see that they are in order and to report whatever should

be brought to notice. Sub-Divisional Officers will forward to the Executive Engineer, weekly diaries of occupation of the circle Subordinates so that it may be seen that the periodical visitings are properly carried out

Para. 6.

LXXXI —The Sub-Divisional Officer will cause proper Estimates to be prepared, Public Works Code form No. 107 to be used for annual repairs of an ordinary nature, if a Dām requires more than simple repairs he will have levels taken, rough drawings prepared, and the usual Estimate submitted.

Para. 7

LXXXII —The *Lambardars* of the villages are bound to report to the Tahsildar when anything is wrong with the *Lakes* in their villages. The report of the Tahsildar shall be forwarded by the Assistant Commissioner to the Executive Engineer of the Division.

Para. 8

LXXXIII —Ordinary repairs will be done by such Agency as may be most convenient, the villagers should be encouraged to do the work, if simple in character on the small *Lakes* on payment after measurement, at rates to be agreed on before-hand. On the larger *Lakes* in classes 1 and 2 skilled labour should ordinarily be employed

EMERGENCY REPAIRS

Para. 9

LXXXIV —The chief *Lambardar* of the villages irrigating from the Lake or situated within 3 miles of the Lake or any part of the main duct thereof shall turn out all able bodied people residing therein in cases of danger on receiving a written requisition for such

labor from the circle Subordinate or the Munshi in immediate charge of the *Lake*. The *Zaildár* of the circle shall call upon people in neighbouring villages of his circle to assist in cases of this nature. Information shall be immediately sent to the circle Subordinate and also to the Tahsildar direct.

Para 10

LXXXV —The circle Subordinate should in cases of emergency apply to the Tahsildar to supply the people necessary to preserve a *Lake* from breaching. In cases of great emergency when delay would occur in obtaining the assistance of the Tahsildar, which would be attended with danger, the circle Subordinate or Munshi in charge may call upon the *Lambardár* for assistance which he will be bound to render, but the Subordinate or the Munshi must at the same time send a notice to the Tahsildar. He will also at once report to his superior Officer the nature of the damage done to the *Lake* and the steps he has taken for its preservation.

Para 11

LXXXVI —The people from the Villages shall only be kept on the work so long as the *lake* may be in danger, or till arrangements can be made for the work to be done in the ordinary way. During the time they may be employed under orders of the circle Subordinate or the Munshi, the Villagers shall be paid for each day's work of not less than 8 hours at rates to be fixed from time to time according to circumstances. If turned out at all, not less than one day's pay is to be given.

Para. 12

LXXXVII—As soon as possible, an Estimate shall be prepared and submitted in the usual course for sanction No more work than is absolutely necessary for the safety of the *Lake* is to be done

RULES FOR
A P P E A L S .

Under Section 1, Clause 7.

LXXXVIII — *An appeal against an order of the Superintendent of Immigration shall lie to the Assistant Commissioner*

Draft Rules Old Tanks 74 to 78

LXXXIX — *An appeal against the order of the Assistant Commissioner shall lie to the Commissioner*

Draft Rules New Tanks 49 to 53

XC — *If the Commissioner uphold the orders of the Assistant Commissioner his orders shall be final*

XCI — *If the Commissioner modify or reverse the Assistant Commissioner's orders, the Chief Commissioner may receive a second appeal*

XCII — *An appeal to the Commissioner shall be made within 15 days, and may be on plain paper, no copy of the order complained against shall be necessary*

XCIII — *An appeal to the Chief Commissioner shall be made within 30 days and shall be on a rupees two stamp, and shall have a copy of the order complained against attached thereto*

RULES FOR FORMS AND STATEMENTS.

Under Section 4, Clause 8.

Vernacular Forms, Old Tank Rule 67,
New Tank Rule 44,
amalgamated

XCIV—The following shall be
the Vernacular Forms in use.

1st Class Lakes

*I—Dakhkhat in Urdu or Hindi
or biglot.*

II Khatauni in { Part I For rear of
Lakes for Khdrif
Part II For rear of
Lakes for Rabi
Part III For front
of Lakes for Rabi
three parts

III—Goshudra or Abstract

IV—Statement { Part I For Khdrif
harvest
Part II for Rabi
showing Demand
and Collections of
Water Revenue

*V—Annual Miscellaneous Collec-
tions.*

*VI—Annual Statement of Water
Revenue for each Lake*

*VII—Annual Abstract of Irriga-
tion for each Tahsil*

*VIII—Annual Memorandum of
Indirect Water Revenue for Fixed
and Variable Lakes*

Description thereof.

The *Khatauni*, as shown in State-
ment No *II*, shows the Irrigated area,
with the kind of produce cultivated
therein, and the Rate of Water Re-
venue in detail for every holding

These Statements will be prepared,
for all Lakes, by the Patwari and
will be checked by the Superintend-

X dent of Irrigation, *vide* Rule LXVI, and after signature of *Patwári* and *Lambardár*, Rule LIV, will be submitted to the Assistant Commissioner, Rule LVII, as soon as possible after the completion of the harvest

The *Goshwára* shall be the Village Abstract of Irrigation, and shall be subsequently prepared by the Superintendent of Irrigation, and after examination and signature by the Assistant Commissioners, shall be deposited as a record in the *Sadi* Office. The *Goshwára* is a Village or *Mauzawár* record, and is intended as the Foundation for the Revenue Irrigation Statistics of the District.

Statement No IV shows the total area irrigated, with the rate deduced or Water Revenue with total amount of Water Revenue arranged according to Villages and *Lakes*. This Statement will be prepared by the Superintendent of Irrigation on the spot, and will be submitted to the Assistant Commissioners, and, after approval, will be announced to the *Patwári*, who is bound to acquaint each Assessee with the details of the Assessment made against him, *vide* Rule LXVIII,

Statements No V, VI, and VII, are annual, and will be prepared by the Superintendent of Irrigation from former Statements, they will show the increase and decrease of Water Revenue, and the irrigated area of the current year compared with the Settlement, according to *Lakes*.

Statement No. VIII will be an annual Return, and will show the irrigated area and water Revenue of both *2nd and 3rd Class Lakes*, compared with the Settlement, according to Tahsils, *plus* the amount of Well Assessment, of which the Public Works Department are entitled to take account of as *indirect* Irrigation Revenue

Rule 64 Old Tank Rules
Rule 45 New " "
amalgamated

XCV.—The following Forms and Statements shall be prepared.

No of Form	Name of Form	Prepared by whom	Submitted to whom	By what date
A	Abstract of demands,	Assist Commr	Commissioner	10th July and 10th January
B	Statement of Suspensions,	Ditto	Ditto	Do Do
C	Statement of Remissions,	Ditto	Ditto	Do. Do
D	Half yearly Return *	Ditto	Ditto	1st February
E	Abstract of Fees and Salaries & other expenditure,	Ditto	Ditto	15th May
F	Statement of Outstanding Balances *	Ditto	Ditto	10th July
G	Memorandum of Water Revenue, * <i>indirect,</i>	Ditto	Ditto	10th July

Description thereof.

Those marked with an asterisk, *v* D, F and G. shall be forwarded by the Commissioner to the Secretary to the Local Government in the Public Works Department with his Annual Report, not later than the *15th May*

Rule 65, Old Tank Rules

XCVI.—Statement G. will be a translation of Vernacular Statement No *VIII*, and will contain a full account of *indirect* Irrigation Revenue.

Rule 66, Old Tank Rules
" 46, New " "

XCVII.—The Assistant Commissioners shall keep up a separate Cash Account, in the form given in *Exemplars* 6 and 7 for each *Lake* of the 2nd Class, and this Cash Account shall be

examined and signed every month by the Treasury Officer, and by the Assistant Commissioner.

Rule 46, New Tank Rules
clause 1

XCVIII—*A translation of the cash account for 1st Class Lakes shall be furnished monthly to the Deputy Examiner, Public Works Department, by the Commissioner.* The Assistant Commissioner shall keep up in his Vernacular Office a Register showing all petitions presented to him and the ultimate orders passed on each, in the following form

No of Petition	Date of Presentation.	Name of Petitioner	Name of Lake	Final Orders	Date

w Tank Rules

XCIX—All Accounts of Expenditure for 1st class Lakes, with the exception of pay of sanctioned Establishment and fees of *Lambardárs* and *Patwáris*, shall be kept by the Engineer Officer in charge of the maintenance of the Lakes

